284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q2050

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q2050-01	BP-VPB-182-TB-20250512
Q2050-02	BP-VPB-182-GW-60-62
Q2050-03	BP-VPB-182-GW-100-102
Q2050-04	BP-VPB-182-GW-150-152
Q2050-05	BP-VPB-182-GW-205-207
Q2050-06	BP-VPB-182-GW-220-222
Q2050-07	BP-VPB-182-DUP-20250514
Q2050-08	BP-VPB-182-EB-20250514
Q2050-09	BP-VPB-182-GW-240-242

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: 5/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager # Ernie Wu
Order ID # Q2050
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
9 Water samples were received on 05/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

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

The not QT review data is reported in the Miscellaneous.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2050 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.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

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

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

NA NO YES

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2050**

	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:** **05/23/2025**

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LAB CHRONICLE

OrderID:	Q2050	**OrderDate:**	5/15/2025 9:46:00 AM
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
Q2050-01	**BP-VPB-182-TB-20250512**	**Water**			**05/12/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	
Q2050-02	**BP-VPB-182-GW-60-62**	**Water**			**05/12/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	
Q2050-03	**BP-VPB-182-GW-100-102**	**Water**			**05/12/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	
Q2050-04	**BP-VPB-182-GW-150-152**	**Water**			**05/13/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	
Q2050-05	**BP-VPB-182-GW-205-207**	**Water**			**05/14/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	
Q2050-06	**BP-VPB-182-GW-220-222**	**Water**			**05/14/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	
Q2050-07	**BP-VPB-182-DUP-20250514**	**Water**			**05/14/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	
Q2050-08	**BP-VPB-182-EB-20250514**	**Water**			**05/14/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	
Q2050-09	**BP-VPB-182-GW-240-242**	**Water**			**05/14/25**			**05/14/25**
			VOCMS Group1	8260-Low			05/15/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2050

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-182-TB-20250512**								
Q2050-01	BP-VPB-182-TB-2(	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.50					
			Total Concentration:	2.50					
Client ID:	**BP-VPB-182-GW-60-62**								
Q2050-02	BP-VPB-182-GW-6	Water	Acetone	7.80		1.50	3.80	5.00	ug/L
Q2050-02	BP-VPB-182-GW-6	Water	Chloroform	1.10		0.25	0.50	1.00	ug/L
Q2050-02	BP-VPB-182-GW-6	Water	Tetrachloroethene	1.30		0.23	0.50	1.00	ug/L
			Total Voc :	10.2					
			Total Concentration:	10.2					
Client ID:	**BP-VPB-182-GW-100-102**								
Q2050-03	BP-VPB-182-GW-1	Water	Acetone	3.80	J	1.50	3.80	5.00	ug/L
Q2050-03	BP-VPB-182-GW-1	Water	Chloroform	0.93	J	0.25	0.50	1.00	ug/L
Q2050-03	BP-VPB-182-GW-1	Water	Tetrachloroethene	1.10		0.23	0.50	1.00	ug/L
			Total Voc :	5.83					
			Total Concentration:	5.83					
Client ID:	**BP-VPB-182-GW-150-152**								
Q2050-04	BP-VPB-182-GW-1	Water	Acetone	4.00	J	1.50	3.80	5.00	ug/L
			Total Voc :	4.00					
			Total Concentration:	4.00					
Client ID:	**BP-VPB-182-GW-205-207**								
Q2050-05	BP-VPB-182-GW-2	Water	Acetone	5.20		1.50	3.80	5.00	ug/L
			Total Voc :	5.20					
			Total Concentration:	5.20					
Client ID:	**BP-VPB-182-GW-220-222**								
Q2050-06	BP-VPB-182-GW-2	Water	Acetone	3.20	J	1.50	3.80	5.00	ug/L
			Total Voc :	3.20					
			Total Concentration:	3.20					
Client ID:	**BP-VPB-182-DUP-20250514**								
Q2050-07	BP-VPB-182-DUP-	Water	Acetone	2.80	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.80					
			Total Concentration:	2.80					
Client ID:	**BP-VPB-182-EB-20250514**								
Q2050-08	BP-VPB-182-EB-2(	Water	Acetone	4.30	J	1.50	3.80	5.00	ug/L
			Total Voc :	4.30					
			Total Concentration:	4.30					
Client ID:	**BP-VPB-182-GW-240-242**								
Q2050-09	BP-VPB-182-GW-2	Water	Acetone	2.90	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.90					
			Total Concentration:	2.90					

QC SUMMARY

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

SDG No.: Q2050

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2050-01	BP-VPB-182-TB-20250512	1,2-Dichloroethane-d4	50	55.1	110	81	118
		Dibromofluoromethane	50	52.3	104	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	50.7	101	85	114
Q2050-02	BP-VPB-182-GW-60-62	1,2-Dichloroethane-d4	50	54.7	109	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
Q2050-03	BP-VPB-182-GW-100-102	1,2-Dichloroethane-d4	50	54.9	110	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
Q2050-04	BP-VPB-182-GW-150-152	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
Q2050-05	BP-VPB-182-GW-205-207	1,2-Dichloroethane-d4	50	55.5	111	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	51.5	103	89	112
		4-Bromofluorobenzene	50	49.5	99	85	114
Q2050-06	BP-VPB-182-GW-220-222	1,2-Dichloroethane-d4	50	54.6	109	81	118
		Dibromofluoromethane	50	51.6	103	80	119
		Toluene-d8	50	50.8	102	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
Q2050-07	BP-VPB-182-DUP-20250514	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
Q2050-08	BP-VPB-182-EB-20250514	1,2-Dichloroethane-d4	50	54.1	108	81	118
		Dibromofluoromethane	50	51.8	104	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	51.9	104	85	114
Q2050-09	BP-VPB-182-GW-240-242	1,2-Dichloroethane-d4	50	55.0	110	81	118
		Dibromofluoromethane	50	52.1	104	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
VX0515WBL01	VX0515WBL01	1,2-Dichloroethane-d4	50	54.2	108	81	118
		Dibromofluoromethane	50	51.5	103	80	119
		Toluene-d8	50	50.2	100	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
VX0515WBS01	VX0515WBS01	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
VX0515WBSD0	VX0515WBSD01	1,2-Dichloroethane-d4	50	49.4	99	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	48.5	97	89	112
		4-Bromofluorobenzene	50	47.9	96	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2050

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046206.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0515WBS01	Chloromethane	20	19.5	ug/L	98			50	139	
	Vinyl chloride	20	19.1	ug/L	96			58	137	
	Bromomethane	20	18.9	ug/L	95			53	141	
	Chloroethane	20	22.5	ug/L	113			60	138	
	Trichlorofluoromethane	20	20.4	ug/L	102			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100			70	136	
	1,1-Dichloroethene	20	19.0	ug/L	95			71	131	
	Acetone	100	100	ug/L	100			39	160	
	Carbon disulfide	20	16.7	ug/L	84			64	133	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			71	124	
	Methylene Chloride	20	19.0	ug/L	95			74	124	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			75	124	
	1,1-Dichloroethane	20	20.2	ug/L	101			77	125	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	19.5	ug/L	98			72	136	
	cis-1,2-Dichloroethene	20	20.2	ug/L	101			78	123	
	Chloroform	20	21.0	ug/L	105			79	124	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			74	131	
	Methylcyclohexane	20	18.3	ug/L	92			72	132	
	Benzene	20	20.1	ug/L	101			79	120	
	1,2-Dichloroethane	20	20.6	ug/L	103			73	128	
	Trichloroethene	20	19.3	ug/L	97			79	123	
	1,2-Dichloropropane	20	20.9	ug/L	104			78	122	
	Bromodichloromethane	20	20.6	ug/L	103			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			73	127	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.7	ug/L	104			74	126	
	Tetrachloroethene	20	19.5	ug/L	98			74	129	
	Chlorobenzene	20	19.5	ug/L	98			82	118	
	Ethyl Benzene	20	19.8	ug/L	99			79	121	
	m/p-Xylenes	40	39.4	ug/L	99			80	121	
	o-Xylene	20	20.3	ug/L	102			78	122	
	Styrene	20	20.5	ug/L	103			78	123	
	Bromoform	20	19.1	ug/L	96			66	130	
	Isopropylbenzene	20	20.1	ug/L	101			72	131	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2050

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046207.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0515WBSD01	Chloromethane	20	19.3	ug/L	97	1		50	139	20
	Vinyl chloride	20	18.2	ug/L	91	5		58	137	20
	Bromomethane	20	17.8	ug/L	89	7		53	141	20
	Chloroethane	20	19.8	ug/L	99	13		60	138	20
	Trichlorofluoromethane	20	19.8	ug/L	99	3		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97	3		70	136	20
	1,1-Dichloroethene	20	17.9	ug/L	90	5		71	131	20
	Acetone	100	100	ug/L	100	0		39	160	20
	Carbon disulfide	20	16.1	ug/L	81	4		64	133	20
	Methyl tert-butyl Ether	20	20.1	ug/L	101	1		71	124	20
	Methylene Chloride	20	18.7	ug/L	94	1		74	124	20
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	3		75	124	20
	1,1-Dichloroethane	20	20.0	ug/L	100	1		77	125	20
	2-Butanone	100	110	ug/L	110	0		56	143	20
	Carbon Tetrachloride	20	19.2	ug/L	96	2		72	136	20
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	4		78	123	20
	Chloroform	20	20.6	ug/L	103	2		79	124	20
	1,1,1-Trichloroethane	20	19.8	ug/L	99	2		74	131	20
	Methylcyclohexane	20	17.9	ug/L	90	2		72	132	20
	Benzene	20	19.7	ug/L	99	2		79	120	20
	1,2-Dichloroethane	20	20.7	ug/L	104	1		73	128	20
	Trichloroethene	20	18.8	ug/L	94	3		79	123	20
	1,2-Dichloropropane	20	21.3	ug/L	106	2		78	122	20
	Bromodichloromethane	20	20.3	ug/L	102	1		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		67	130	20
	Toluene	20	20.1	ug/L	101	1		80	121	20
	t-1,3-Dichloropropene	20	18.8	ug/L	94	1		73	127	20
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	0		75	124	20
	1,1,2-Trichloroethane	20	21.5	ug/L	108	4		80	119	20
	2-Hexanone	100	110	ug/L	110	0		57	139	20
	Dibromochloromethane	20	20.7	ug/L	104	0		74	126	20
	Tetrachloroethene	20	19.3	ug/L	97	1		74	129	20
	Chlorobenzene	20	19.5	ug/L	98	0		82	118	20
	Ethyl Benzene	20	19.7	ug/L	99	0		79	121	20
	m/p-Xylenes	40	39.6	ug/L	99	0		80	121	20
	o-Xylene	20	20.0	ug/L	100	2		78	122	20
	Styrene	20	20.5	ug/L	103	0		78	123	20
	Bromoform	20	19.9	ug/L	100	4		66	130	20
	Isopropylbenzene	20	20.1	ug/L	101	0		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103	4		71	121	20
	1,3-Dichlorobenzene	20	19.5	ug/L	98	1		80	119	20
	1,4-Dichlorobenzene	20	18.8	ug/L	94	3		79	118	20
	1,2-Dichlorobenzene	20	20.5	ug/L	103	1		80	119	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0515WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2050 SAS No.: Q2050 SDG NO.: Q2050

Lab File ID: VX046202.D Lab Sample ID: VX0515WBL01

Date Analyzed: 05/15/2025 Time Analyzed: 10:38

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
VX0515WBS01	VX0515WBS01	VX046206.D	05/15/2025
VX0515WBSD01	VX0515WBSD01	VX046207.D	05/15/2025
BP-VPB-182-GW-60-62	Q2050-02	VX046208.D	05/15/2025
BP-VPB-182-TB-20250512	Q2050-01	VX046209.D	05/15/2025
BP-VPB-182-EB-20250514	Q2050-08	VX046210.D	05/15/2025
BP-VPB-182-GW-100-102	Q2050-03	VX046211.D	05/15/2025
BP-VPB-182-GW-150-152	Q2050-04	VX046212.D	05/15/2025
BP-VPB-182-GW-205-207	Q2050-05	VX046213.D	05/15/2025
BP-VPB-182-GW-220-222	Q2050-06	VX046214.D	05/15/2025
BP-VPB-182-DUP-20250514	Q2050-07	VX046215.D	05/15/2025
BP-VPB-182-GW-240-242	Q2050-09	VX046216.D	05/15/2025

COMMENTS:

Raw Data: **VX046038.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2050 SAS No.: Q2050 SDG NO.: Q2050

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.: Q2050 SAS No.: Q2050 SDG NO.: Q2050

Lab File ID: VX046199.D BFB Injection Date: 05/15/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:47

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	21.9
75	30.0 - 60.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (1.1) 1
174	50.0 - 100.0% of mass 95	67.5
175	5.0 - 9.0% of mass 174	5.3 (7.8) 1
176	95.0 - 101.0% of mass 174	65.6 (97.2) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046200.D	05/15/2025	09:52
VX0515WBL01	VX0515WBL01	VX046202.D	05/15/2025	10:38
VX0515WBS01	VX0515WBS01	VX046206.D	05/15/2025	12:11
VX0515WBSD01	VX0515WBSD01	VX046207.D	05/15/2025	12:38
BP-VPB-182-GW-60-62	Q2050-02	VX046208.D	05/15/2025	13:01
BP-VPB-182-TB-20250512	Q2050-01	VX046209.D	05/15/2025	13:24
BP-VPB-182-EB-20250514	Q2050-08	VX046210.D	05/15/2025	13:47
BP-VPB-182-GW-100-102	Q2050-03	VX046211.D	05/15/2025	14:11
BP-VPB-182-GW-150-152	Q2050-04	VX046212.D	05/15/2025	14:34
BP-VPB-182-GW-205-207	Q2050-05	VX046213.D	05/15/2025	14:58
BP-VPB-182-GW-220-222	Q2050-06	VX046214.D	05/15/2025	15:21
BP-VPB-182-DUP-20250514	Q2050-07	VX046215.D	05/15/2025	15:44
BP-VPB-182-GW-240-242	Q2050-09	VX046216.D	05/15/2025	16:08
VSTDCCC050EC	VSTDCCC050	VX046226.D	05/15/2025	20:01

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2050 SAS No.: Q2050 SDG NO.: Q2050

Lab File ID: VX046200.D Date Analyzed: 05/15/2025

Instrument ID: MSVOA_X Time Analyzed: 09:52

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	79845	5.54	140483	6.75	127630	10.05
UPPER LIMIT	159690	6.044	280966	7.251	255260	10.549
LOWER LIMIT	39922.5	5.044	70241.5	6.251	63815	9.549
EPA SAMPLE NO.						
BP-VPB-182-TB-20250512	62722	5.54	124979	6.76	119897	10.05
BP-VPB-182-GW-60-62	61866	5.55	123143	6.76	115076	10.06
BP-VPB-182-GW-100-102	61221	5.55	120798	6.76	115485	10.06
BP-VPB-182-GW-150-152	63694	5.55	128038	6.76	119578	10.05
BP-VPB-182-GW-205-207	60533	5.55	121144	6.76	113426	10.06
BP-VPB-182-GW-220-222	60707	5.55	121001	6.76	112446	10.06
BP-VPB-182-DUP-20250514	61073	5.54	122275	6.76	116802	10.05
BP-VPB-182-EB-20250514	61610	5.54	121862	6.76	116490	10.05
BP-VPB-182-GW-240-242	62386	5.55	125278	6.76	120203	10.06
VX0515WBL01	65765	5.54	130899	6.76	122283	10.05
VX0515WBS01	89041	5.54	157824	6.76	139362	10.05
VX0515WBSD01	86433	5.54	151750	6.76	132818	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.: Q2050 SAS No.: Q2050 SDG NO.: Q2050

Lab File ID: VX046200.D Date Analyzed: 05/15/2025

Instrument ID: MSVOA_X Time Analyzed: 09:52

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

	IS4 AREA #	RT #				
12 HOUR STD	62876	12.018				
UPPER LIMIT	125752	12.518				
LOWER LIMIT	31438	11.518				
EPA SAMPLE NO.						
BP-VPB-182-TB-20250512	51079	12.02				
BP-VPB-182-GW-60-62	50521	12.02				
BP-VPB-182-GW-100-102	47647	12.02				
BP-VPB-182-GW-150-152	51539	12.02				
BP-VPB-182-GW-205-207	47407	12.02				
BP-VPB-182-GW-220-222	44995	12.02				
BP-VPB-182-DUP-20250514	50006	12.02				
BP-VPB-182-EB-20250514	50288	12.02				
BP-VPB-182-GW-240-242	50190	12.02				
VX0515WBL01	51360	12.02				
VX0515WBS01	65777	12.02				
VX0515WBSD01	63406	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

Raw Data: **VX046209.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-TB-20250512	SDG No.:	Q2050
Lab Sample ID:	Q2050-01	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
VX046209.D	1		05/15/25 13:24	VX051525

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	0.75	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

Raw Data: **VX046209.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-TB-20250512	SDG No.:	Q2050
Lab Sample ID:	Q2050-01	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
VX046209.D	1		05/15/25 13:24	VX051525

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	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	62700	5.544				
540-36-3	1,4-Difluorobenzene	125000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046209.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-TB-20250512	SDG No.:	Q2050
Lab Sample ID:	Q2050-01	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
VX046209.D	1		05/15/25 13:24	VX051525

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\VX051525\
Data File : VX046209.D
Acq On : 15 May 2025 13:24
Operator : JC/MD
Sample : Q2050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

Quant Time: May 16 01:05:15 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

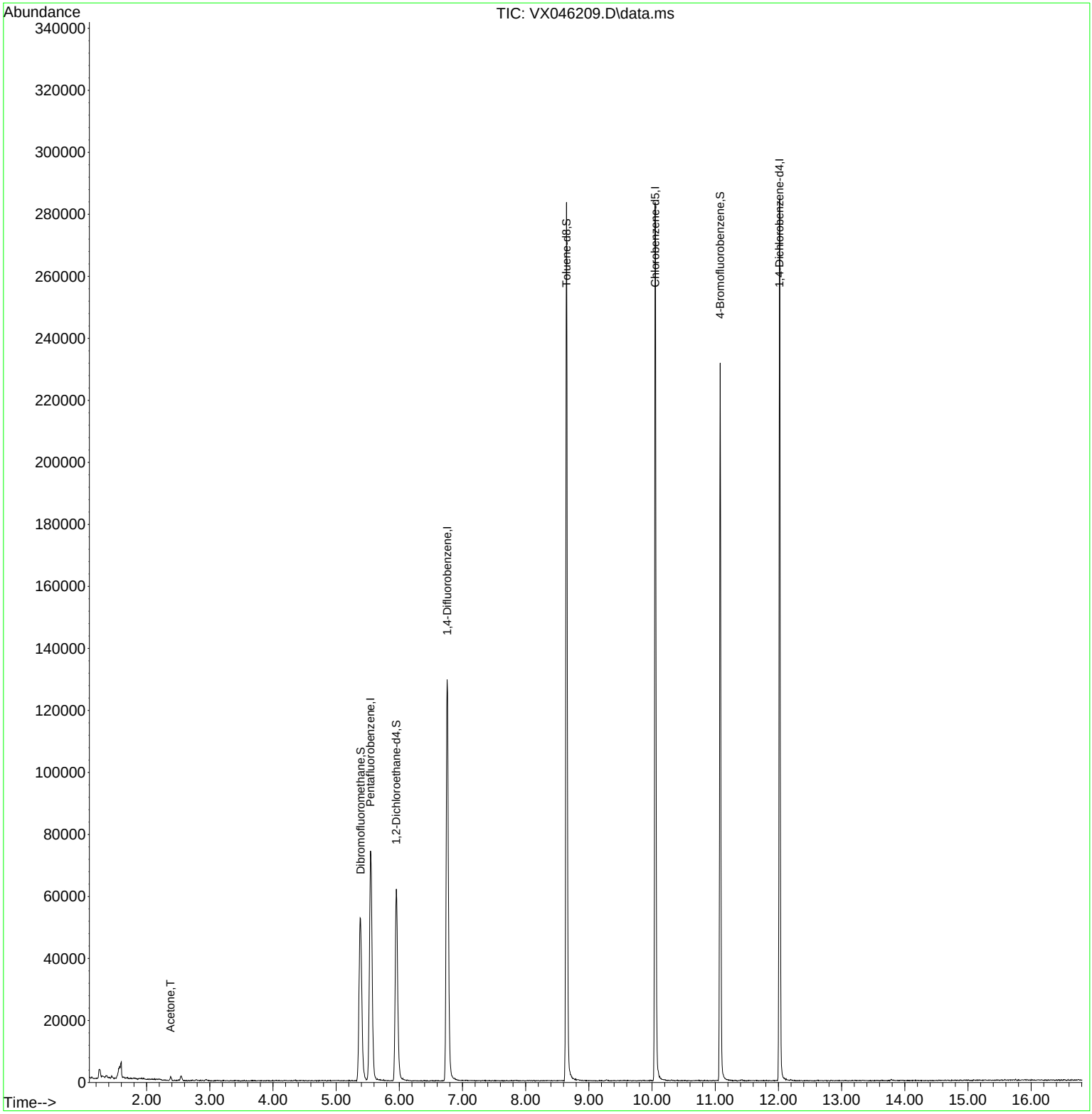
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	62722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124979	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64435	55.104	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.200%			
35) Dibromofluoromethane	5.385	113	47022	52.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	8.647	98	158764	50.968	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.079	95	60562	50.686	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.380%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1185	2.527	ug/l #	75

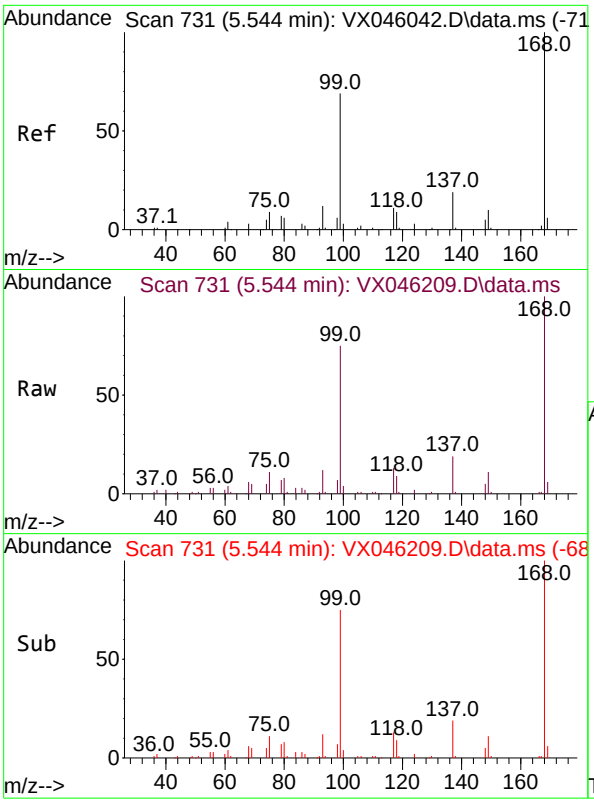
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046209.D
Acq On : 15 May 2025 13:24
Operator : JC/MD
Sample : Q2050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

Quant Time: May 16 01:05:15 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



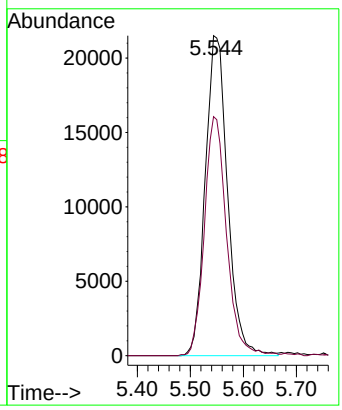


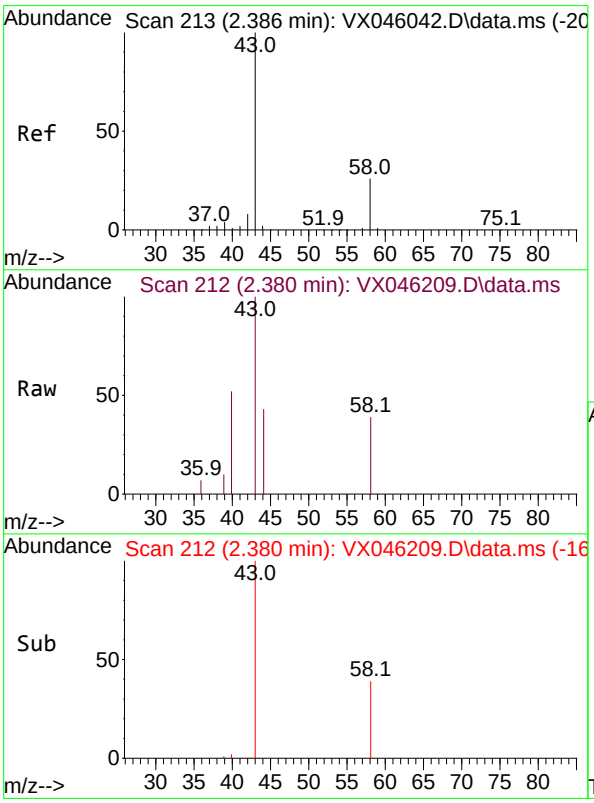
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

Tgt Ion:168 Resp: 62722

Ion	Ratio	Lower	Upper
168	100		
99	74.7	54.9	82.3

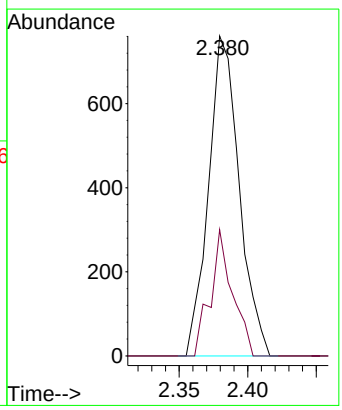


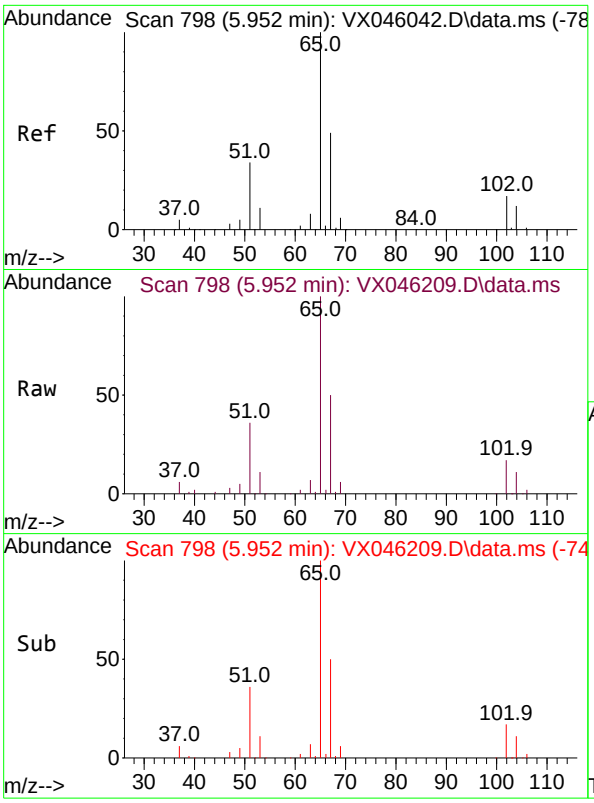


#16
Acetone
Concen: 2.527 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion: 43 Resp: 1185

Ion	Ratio	Lower	Upper
43	100		
58	39.4	21.2	31.8#



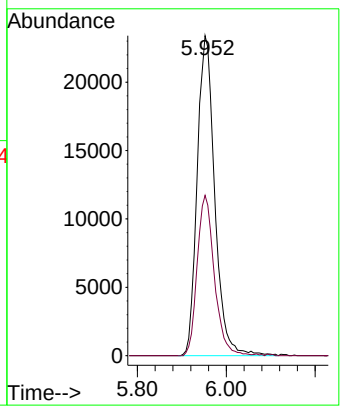


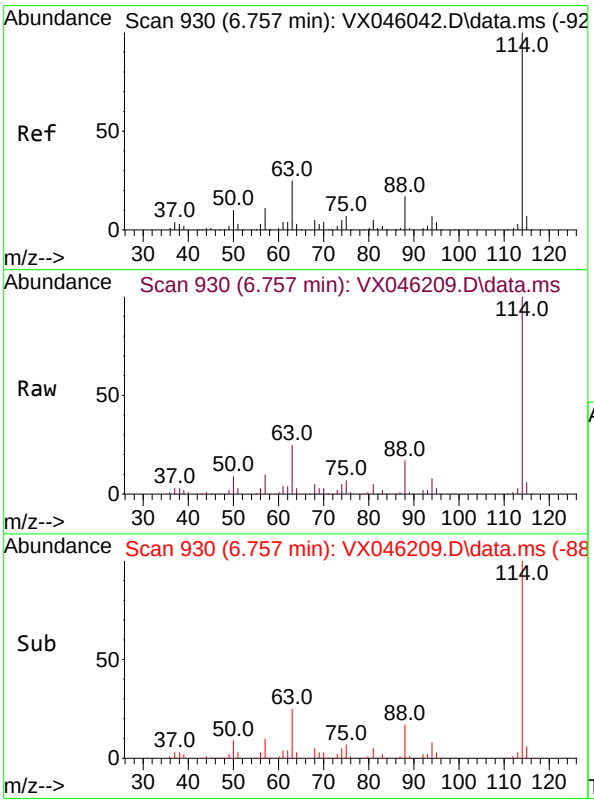
#33
1,2-Dichloroethane-d4
Concen: 55.104 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

Tgt Ion: 65 Resp: 64435

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.0

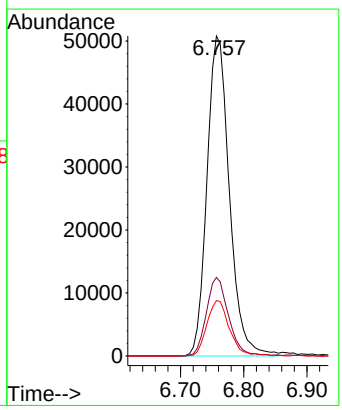


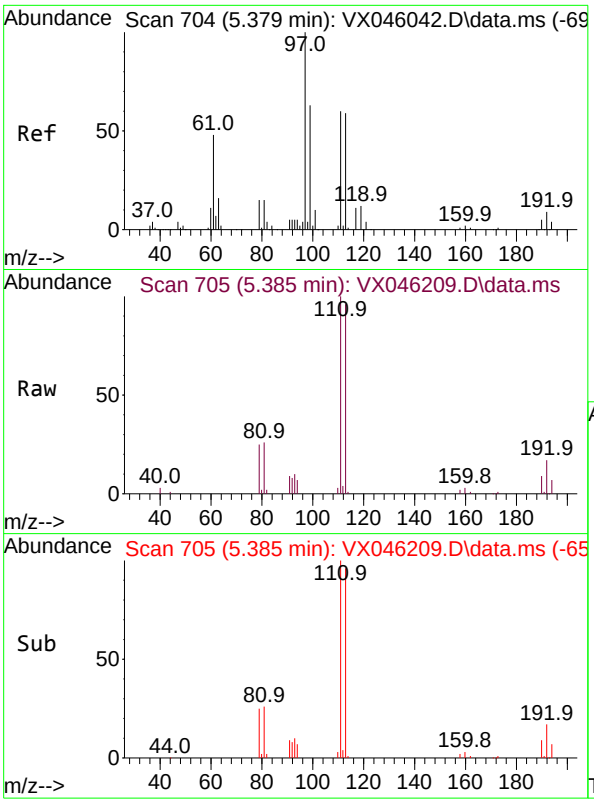


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion:114 Resp: 124979

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.3	0.0	33.6



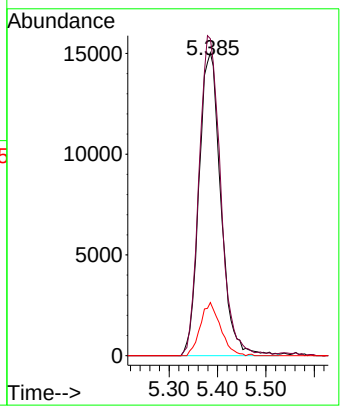


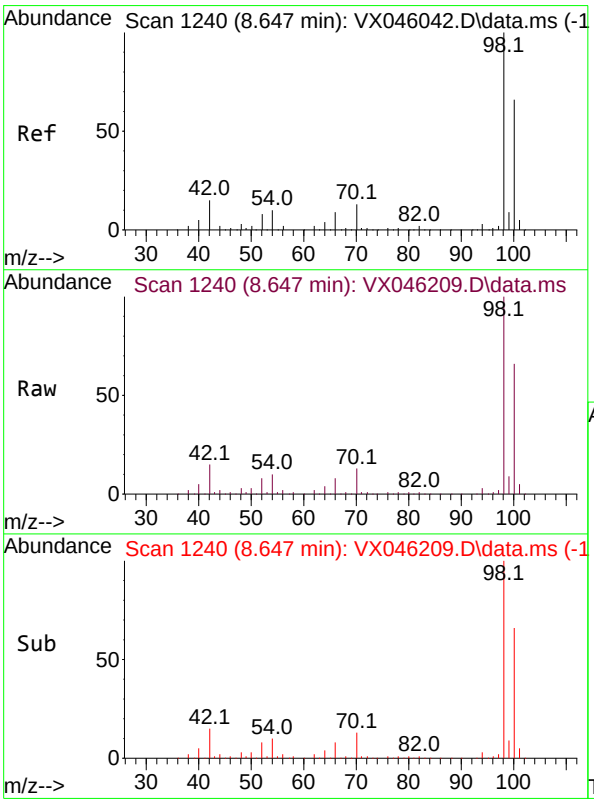
#35
Dibromofluoromethane
Concen: 52.248 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

Tgt Ion:113 Resp: 47022

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.1	124.7
192	16.2	13.3	19.9

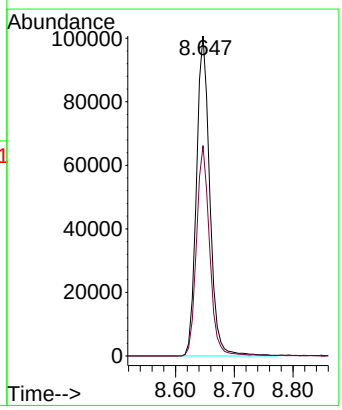


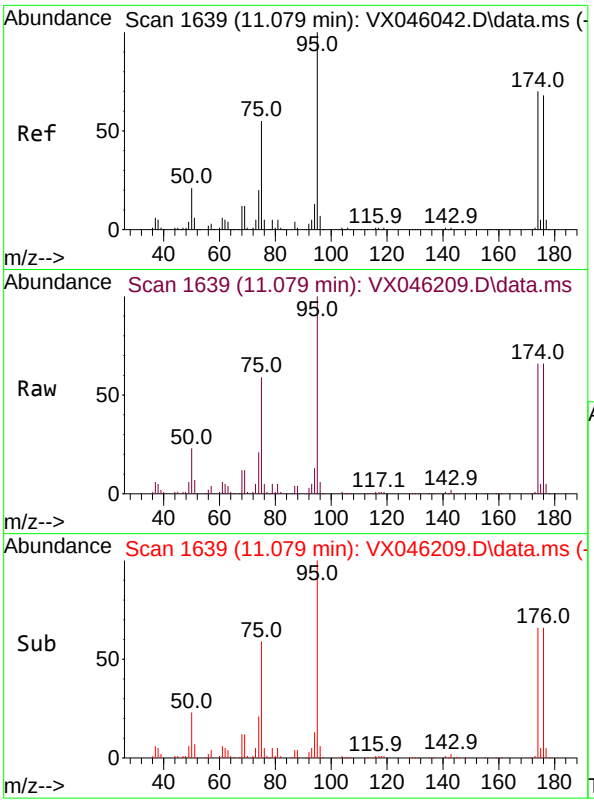


#50
Toluene-d8
Concen: 50.968 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion: 98 Resp: 158764

Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.5	80.3



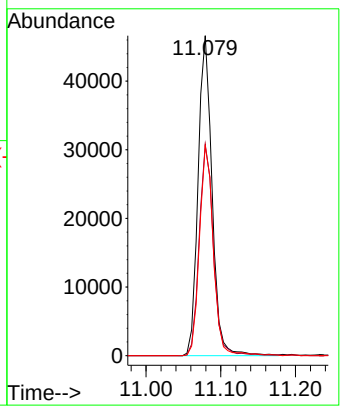


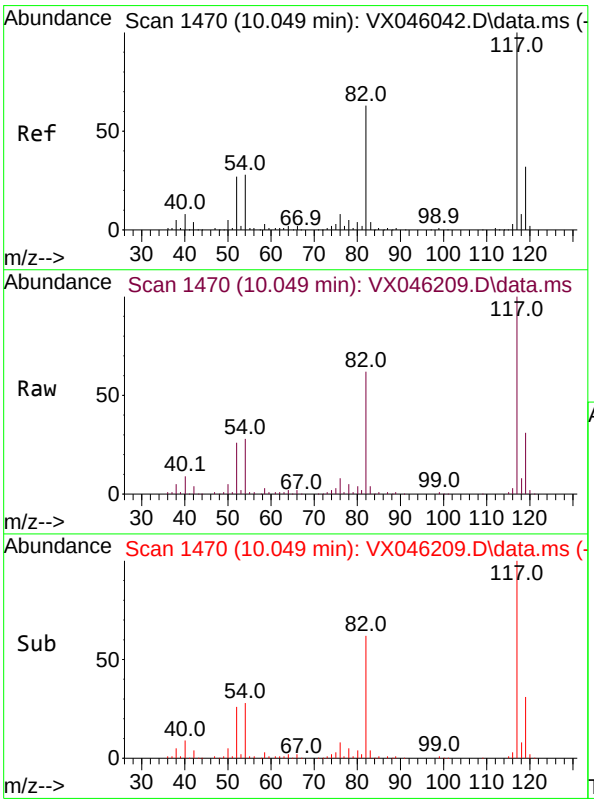
#62
4-Bromofluorobenzene
Concen: 50.686 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

Tgt Ion: 95 Resp: 60562

Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	135.8
176	65.4	0.0	131.4

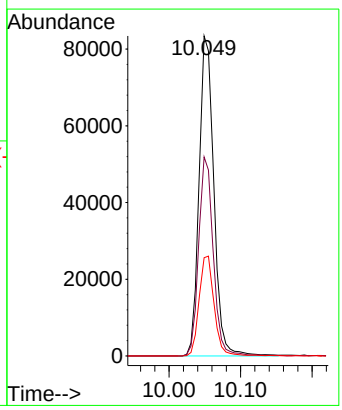


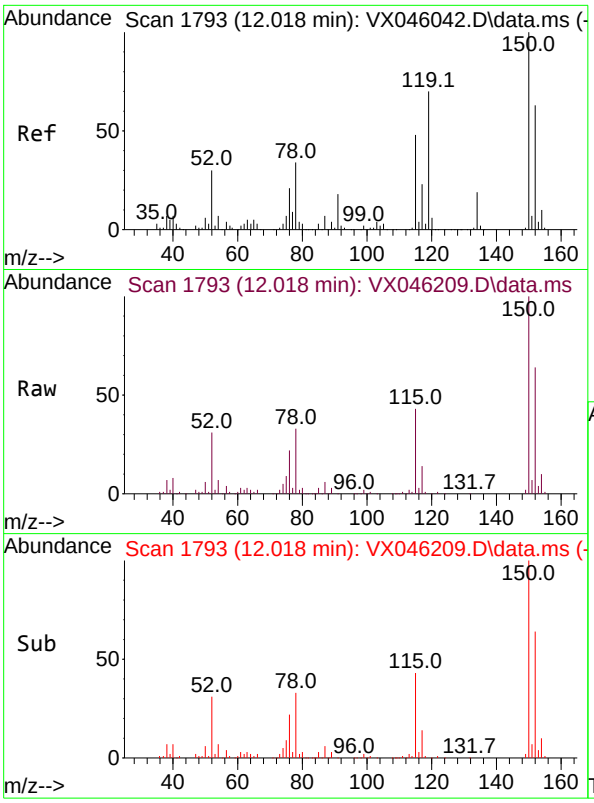


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Tgt Ion:117 Resp: 119897

Ion	Ratio	Lower	Upper
117	100		
82	62.2	50.6	76.0
119	30.7	25.8	38.6



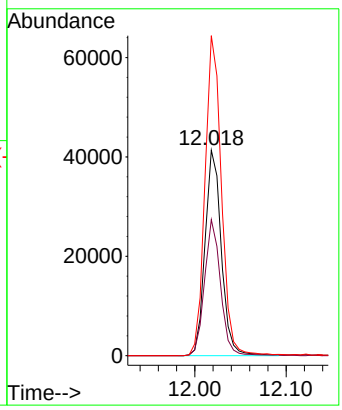


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046209.D
Acq: 15 May 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

Tgt Ion:152 Resp: 51079

Ion	Ratio	Lower	Upper
152	100		
115	65.2	46.9	140.7
150	157.4	0.0	351.0



Sample Results: **VX046209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046209.D
Acq On : 15 May 2025 13:24
Operator : JC/MD
Sample : Q2050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

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: VX046209.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.252	22	27	32	rBV3	2994	6123	1.38%	0.258%
2	1.575	70	80	81	rBV3	3929	8829	1.99%	0.372%
3	1.599	81	84	87	rVB2	5071	5832	1.32%	0.245%
4	5.379	695	704	720	rBV2	52546	160697	36.27%	6.763%
5	5.544	720	731	747	rVV	73946	212402	47.94%	8.939%
6	5.952	789	798	814	rBV	61866	166421	37.56%	7.004%
7	6.757	921	930	947	rBV	129346	320416	72.31%	13.485%
8	8.647	1234	1240	1250	rBV	283382	443095	100.00%	18.649%
9	10.049	1465	1470	1481	rBV	283222	403897	91.15%	16.999%
10	11.079	1634	1639	1655	rBV	231503	298989	67.48%	12.584%
11	12.018	1788	1793	1806	rBV	284441	349303	78.83%	14.701%

Sum of corrected areas: 2376004

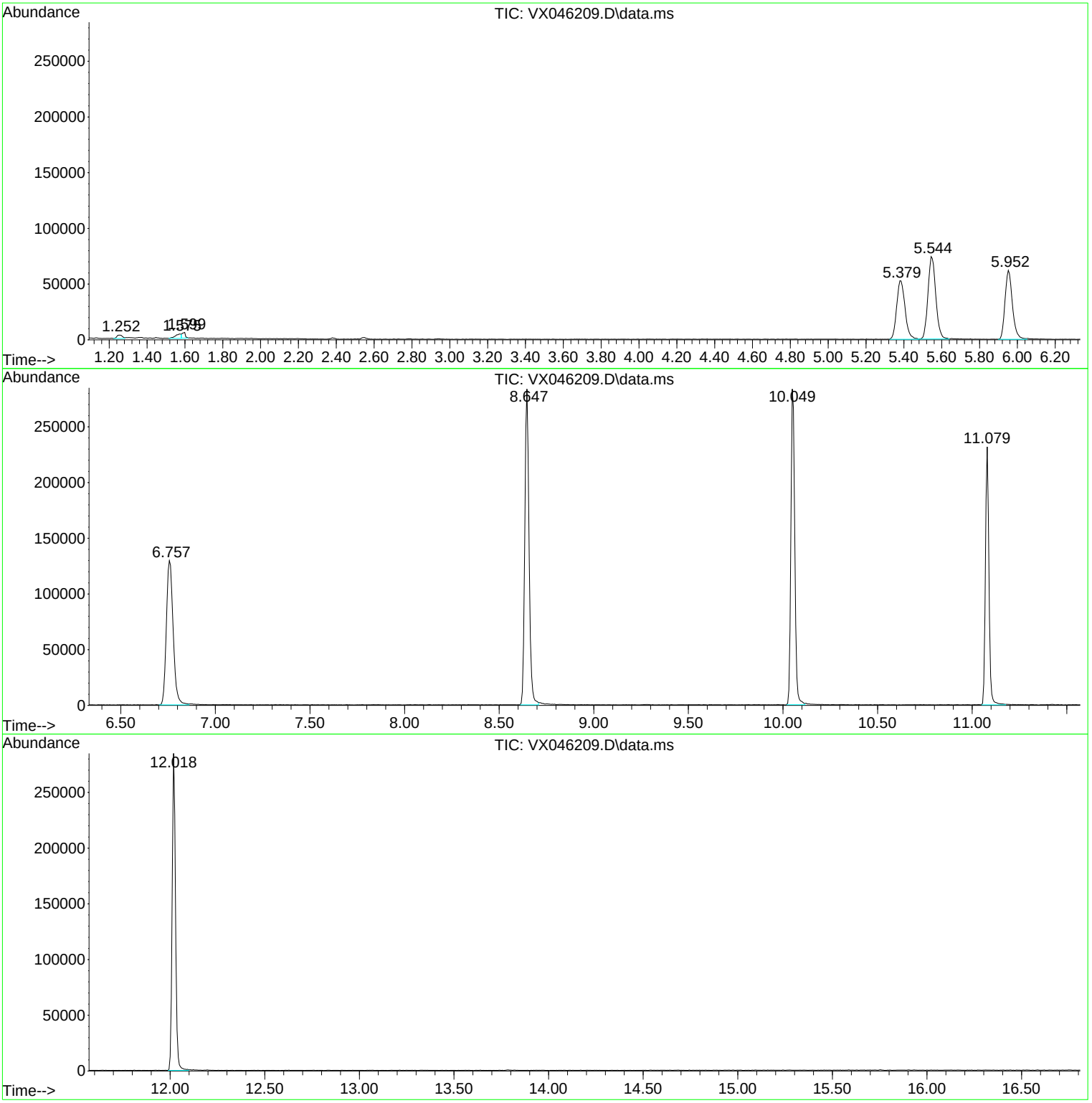
Sample Results: **VX046209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046209.D
Acq On : 15 May 2025 13:24
Operator : JC/MD
Sample : Q2050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

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



Library Search Compound Report

Sample Results: **VX046209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046209.D
Acq On : 15 May 2025 13:24
Operator : JC/MD
Sample : Q2050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

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\VX051525\
Data File : VX046209.D
Acq On : 15 May 2025 13:24
Operator : JC/MD
Sample : Q2050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250512

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

Raw Data: **VX046208.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:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-60-62	SDG No.:	Q2050
Lab Sample ID:	Q2050-02	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
VX046208.D	1		05/15/25 13:01	VX051525

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	7.80		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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	1.10		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	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

Raw Data: **VX046208.D**

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:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-60-62	SDG No.:	Q2050
Lab Sample ID:	Q2050-02	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
VX046208.D	1		05/15/25 13:01	VX051525

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	1.30		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	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	61900	5.55				
540-36-3	1,4-Difluorobenzene	123000	6.757				
3114-55-4	Chlorobenzene-d5	115000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50500	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046208.D**

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:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-60-62	SDG No.:	Q2050
Lab Sample ID:	Q2050-02	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
VX046208.D	1		05/15/25 13:01	VX051525

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\VX051525\
Data File : VX046208.D
Acq On : 15 May 2025 13:01
Operator : JC/MD
Sample : Q2050-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

Quant Time: May 16 01:04:51 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

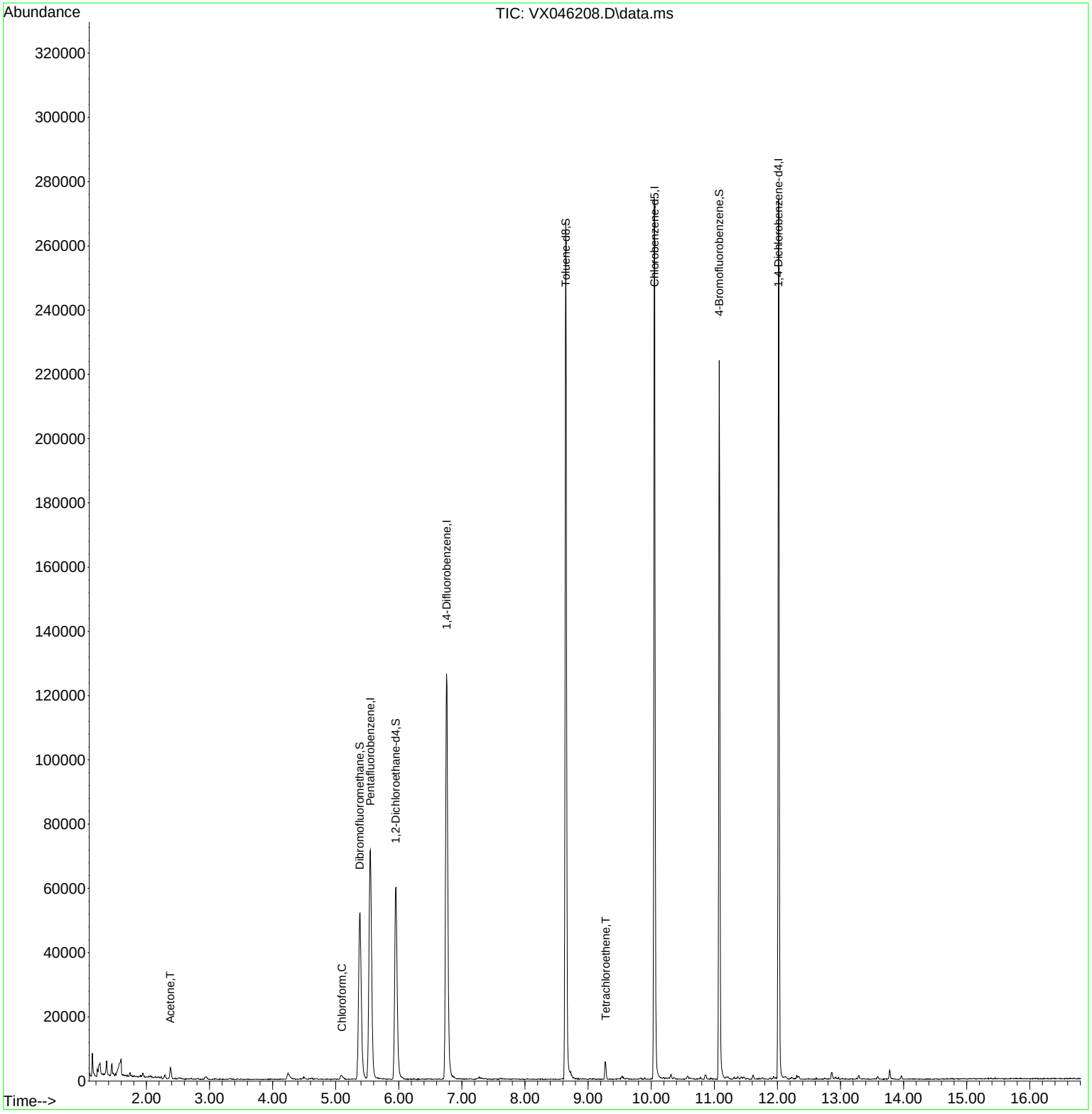
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	61866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123143	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63133	54.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.480%			
35) Dibromofluoromethane	5.379	113	45470	51.277	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	8.647	98	152829	49.795	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.580%			
62) 4-Bromofluorobenzene	11.079	95	58894	50.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.040%			
Target Compounds						Qvalue
16) Acetone	2.380	43	3602	7.789	ug/l	96
30) Chloroform	5.099	83	1681	1.069	ug/l	97
64) Tetrachloroethene	9.281	164	1022	1.255	ug/l #	84

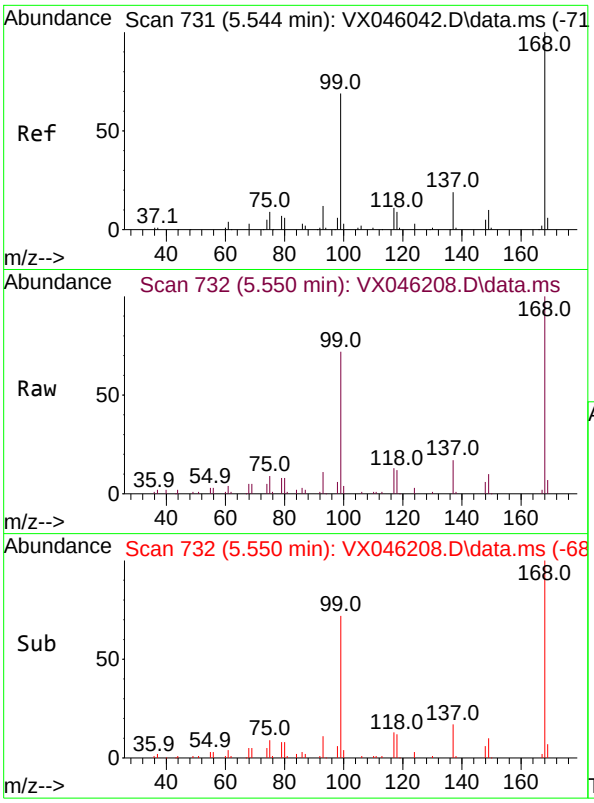
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046208.D
Acq On : 15 May 2025 13:01
Operator : JC/MD
Sample : Q2050-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

Quant Time: May 16 01:04:51 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



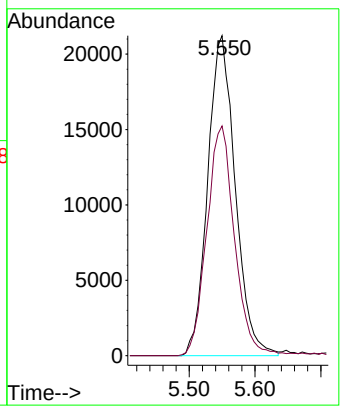


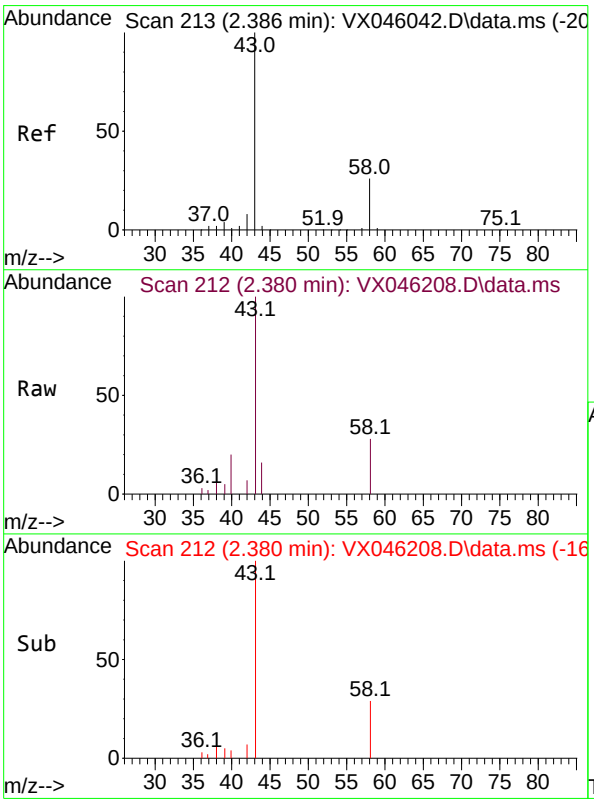
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

Tgt Ion:168 Resp: 61866

Ion	Ratio	Lower	Upper
168	100		
99	71.8	54.9	82.3

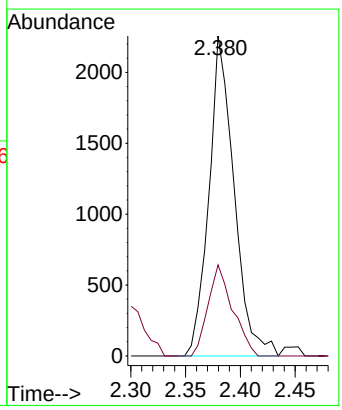


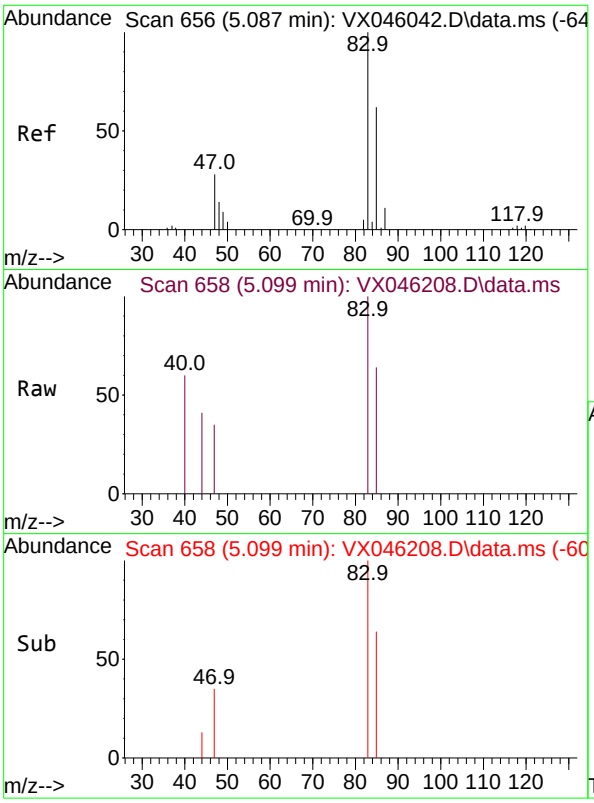


#16
Acetone
Concen: 7.789 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 43 Resp: 3602

Ion	Ratio	Lower	Upper
43	100		
58	28.4	21.2	31.8



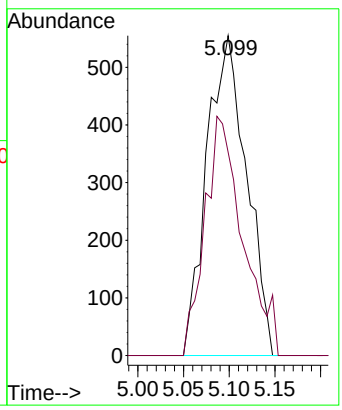


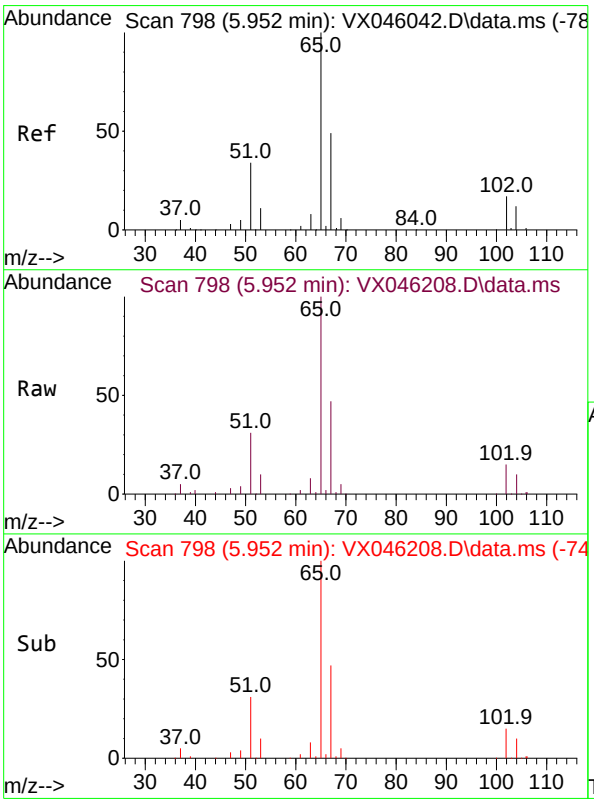
#30
Chloroform
Concen: 1.069 ug/l
RT: 5.099 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

Tgt Ion: 83 Resp: 1681

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.3	73.9

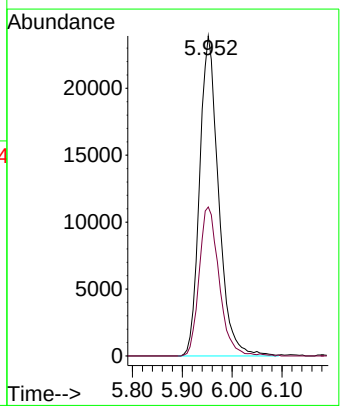


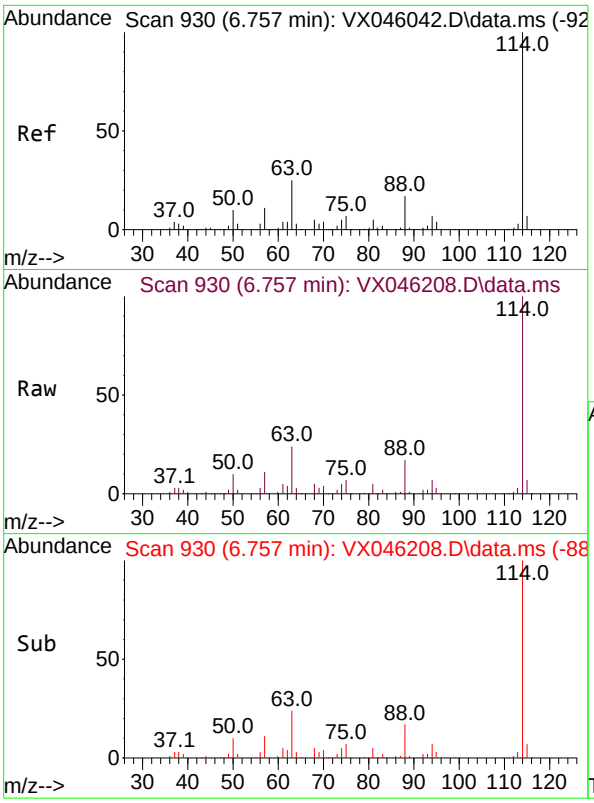


#33
1,2-Dichloroethane-d4
Concen: 54.737 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 65 Resp: 63133

Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	99.0



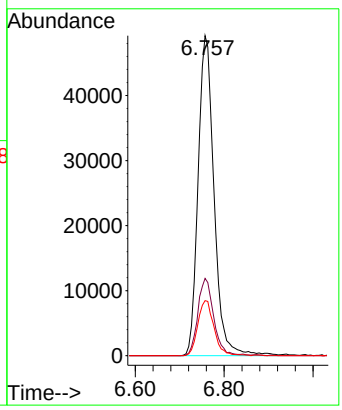


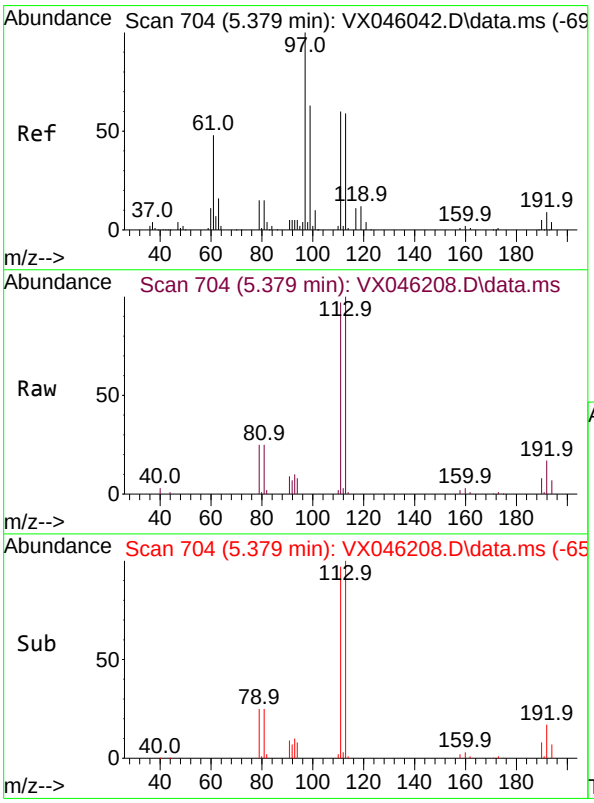
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

Tgt Ion:114 Resp: 123143

Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	17.2	0.0	33.6

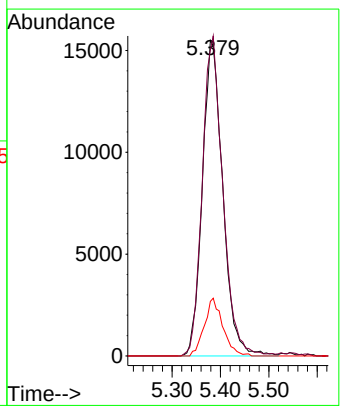


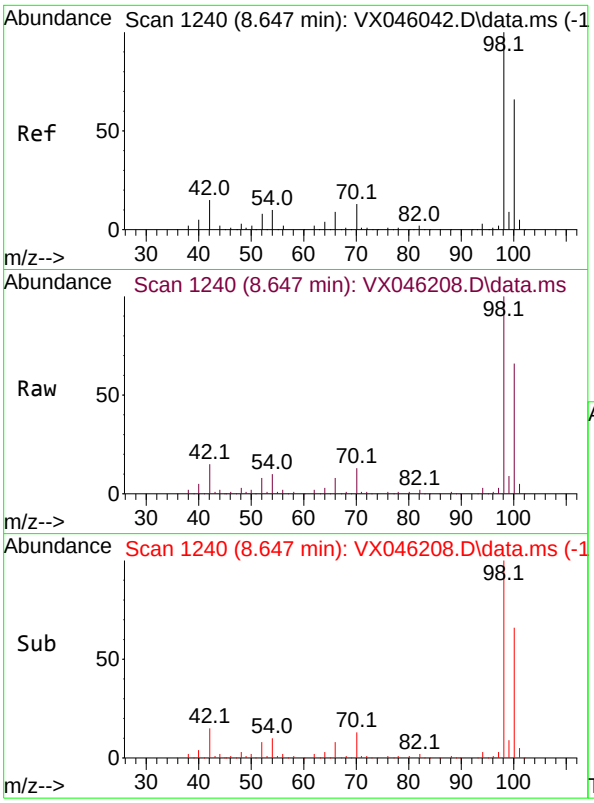


#35
Dibromofluoromethane
Concen: 51.277 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion:113 Resp: 45470

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	16.6	13.3	19.9



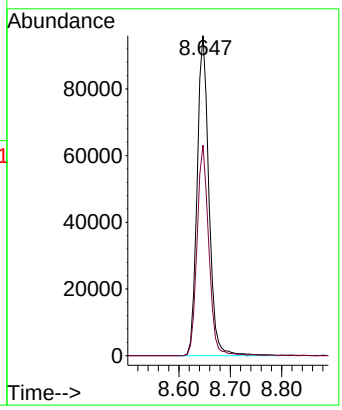


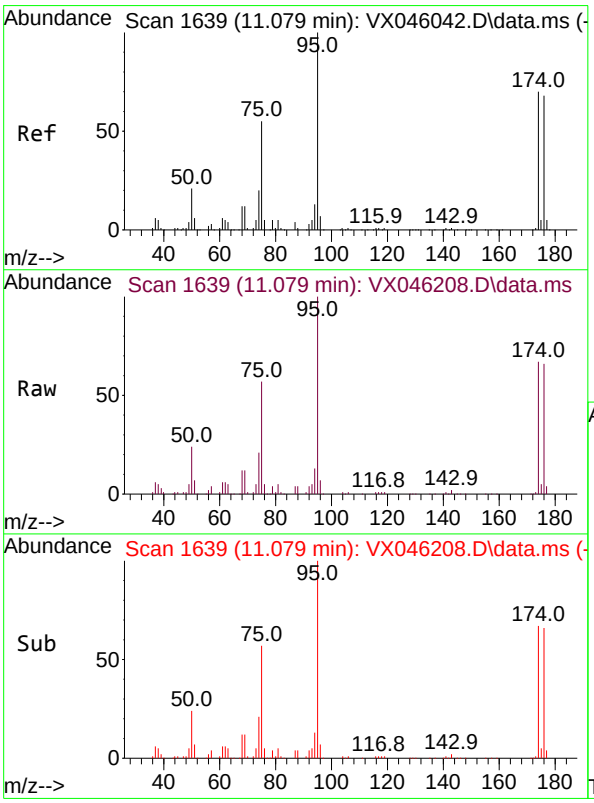
#50
Toluene-d8
Concen: 49.795 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

Tgt Ion: 98 Resp: 152829

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.5	80.3

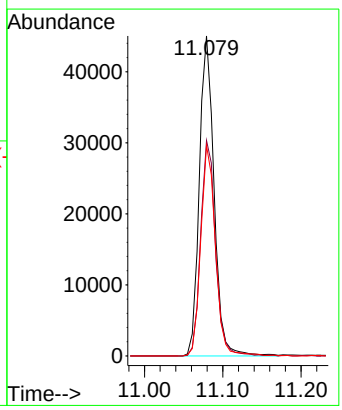


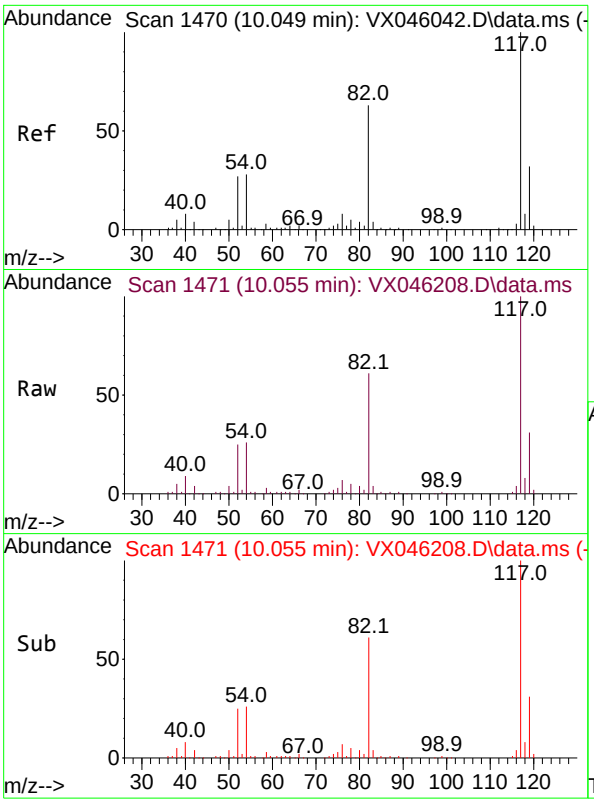


#62
4-Bromofluorobenzene
Concen: 50.025 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 95 Resp: 58894

Ion	Ratio	Lower	Upper
95	100		
174	67.7	0.0	135.8
176	65.5	0.0	131.4



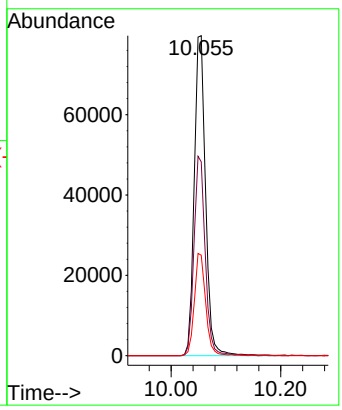


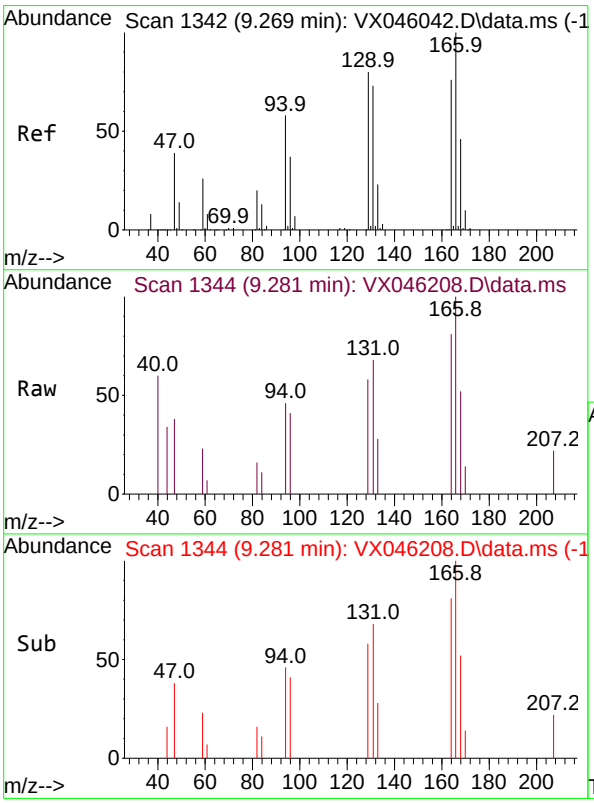
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

Tgt Ion:117 Resp: 115076

Ion	Ratio	Lower	Upper
117	100		
82	60.6	50.6	76.0
119	31.4	25.8	38.6

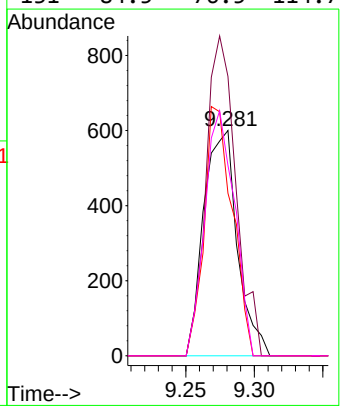


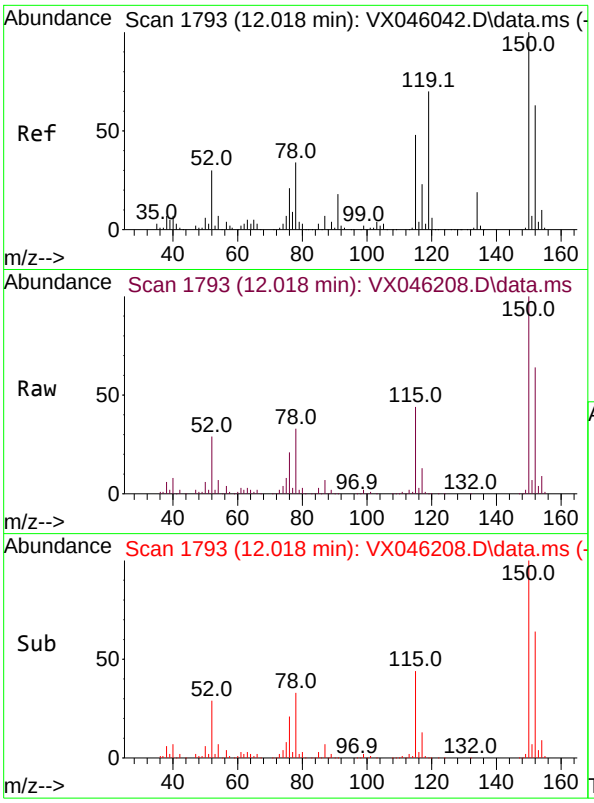


#64
Tetrachloroethene
Concen: 1.255 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.012 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion:164 Resp: 1022

Ion	Ratio	Lower	Upper
164	100		
166	124.0	105.0	157.6
129	72.2	83.5	125.3#
131	84.5	76.5	114.7



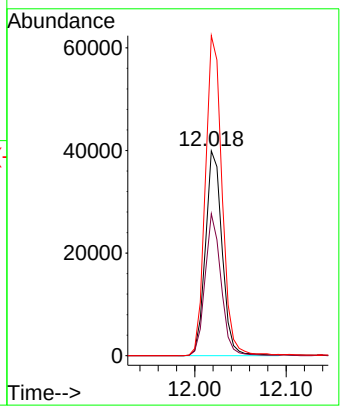


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

Tgt Ion:152 Resp: 50521

Ion	Ratio	Lower	Upper
152	100		
115	66.2	46.9	140.7
150	157.0	0.0	351.0



Sample Results: **VX046208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046208.D
Acq On : 15 May 2025 13:01
Operator : JC/MD
Sample : Q2050-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

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: VX046208.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	16	rBV	7235	7785	1.82%	0.331%
2	1.264	24	29	33	rVB3	3370	6192	1.44%	0.263%
3	1.368	40	46	51	rVB	4444	5571	1.30%	0.237%
4	1.453	55	60	63	rBV	3826	4913	1.15%	0.209%
5	1.599	70	84	87	rBV6	5076	14392	3.36%	0.612%
6	2.380	206	212	219	rVB	3493	5538	1.29%	0.235%
7	4.245	510	518	527	rBV4	1940	5426	1.27%	0.231%
8	5.385	694	705	721	rBV	51793	153711	35.85%	6.532%
9	5.550	722	732	747	rVV2	71003	206203	48.09%	8.763%
10	5.952	787	798	815	rBV2	59916	163433	38.12%	6.945%
11	6.757	921	930	957	rVB	126230	314305	73.31%	13.357%
12	8.647	1234	1240	1251	rBV	266759	428754	100.00%	18.220%
13	9.269	1339	1342	1350	rVB3	5438	8649	2.02%	0.368%
14	10.049	1465	1470	1485	rBV	274060	391936	91.41%	16.655%
15	11.079	1634	1639	1654	rBV	223777	293876	68.54%	12.488%
16	12.018	1788	1793	1806	rBV	273658	342511	79.89%	14.555%

Sum of corrected areas: 2353195

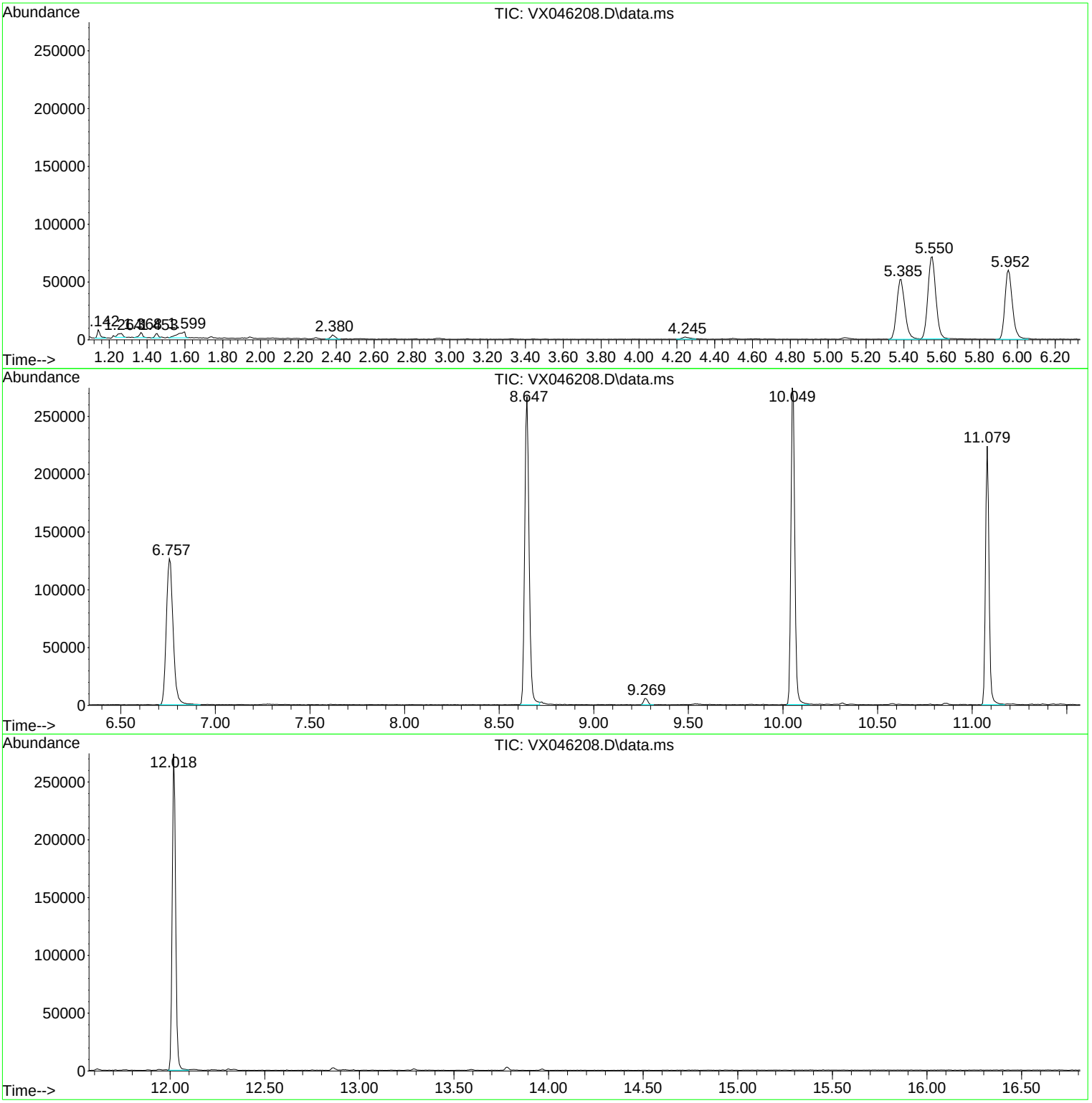
Sample Results: **VX046208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046208.D
Acq On : 15 May 2025 13:01
Operator : JC/MD
Sample : Q2050-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

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



Library Search Compound Report

Sample Results: **VX046208.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046208.D
Acq On : 15 May 2025 13:01
Operator : JC/MD
Sample : Q2050-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

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\VX051525\
Data File : VX046208.D
Acq On : 15 May 2025 13:01
Operator : JC/MD
Sample : Q2050-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

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

Raw Data: **VX046211.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:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-100-102	SDG No.:	Q2050
Lab Sample ID:	Q2050-03	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
VX046211.D	1		05/15/25 14:11	VX051525

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	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	0.93	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	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

Raw Data: **VX046211.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:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-100-102	SDG No.:	Q2050
Lab Sample ID:	Q2050-03	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
VX046211.D	1		05/15/25 14:11	VX051525

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	1.10		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.9		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	61200	5.55				
540-36-3	1,4-Difluorobenzene	121000	6.757				
3114-55-4	Chlorobenzene-d5	115000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	47600	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046211.D**

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:	05/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-100-102	SDG No.:	Q2050
Lab Sample ID:	Q2050-03	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
VX046211.D	1		05/15/25 14:11	VX051525

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\VX051525\
Data File : VX046211.D
Acq On : 15 May 2025 14:11
Operator : JC/MD
Sample : Q2050-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

Quant Time: May 16 01:05:53 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

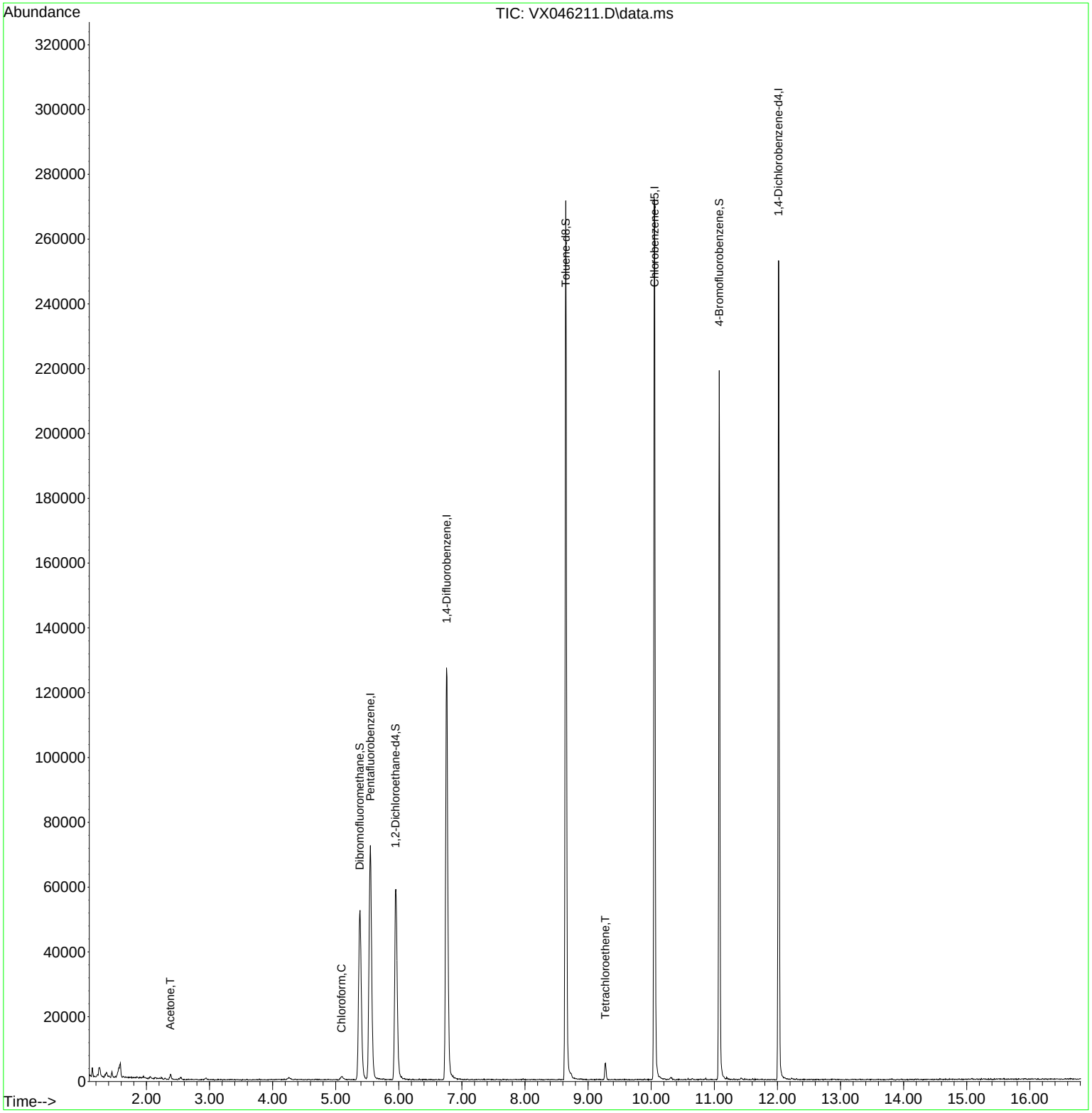
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	61221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120798	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	62643	54.885	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.760%			
35) Dibromofluoromethane	5.379	113	46065	52.956	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.920%			
50) Toluene-d8	8.647	98	154318	51.256	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.520%			
62) 4-Bromofluorobenzene	11.079	95	57300	49.616	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.240%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1754	3.833	ug/l	93
30) Chloroform	5.093	83	1439	0.925	ug/l	97
64) Tetrachloroethene	9.275	164	928	1.136	ug/l #	80

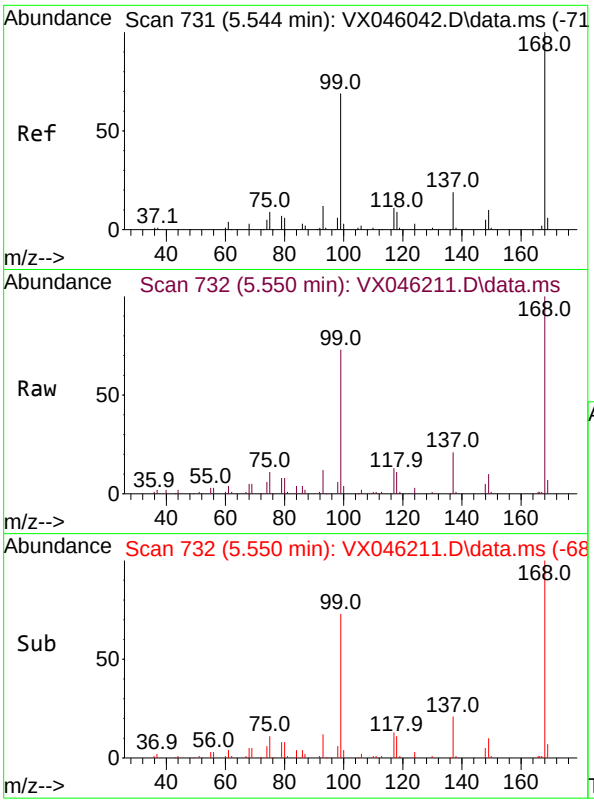
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046211.D
Acq On : 15 May 2025 14:11
Operator : JC/MD
Sample : Q2050-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

Quant Time: May 16 01:05:53 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



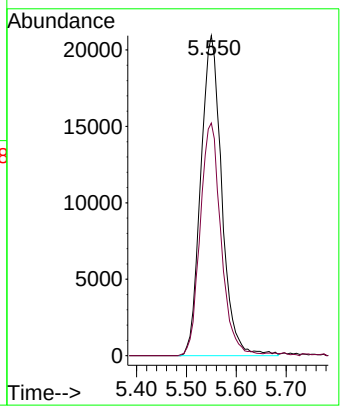


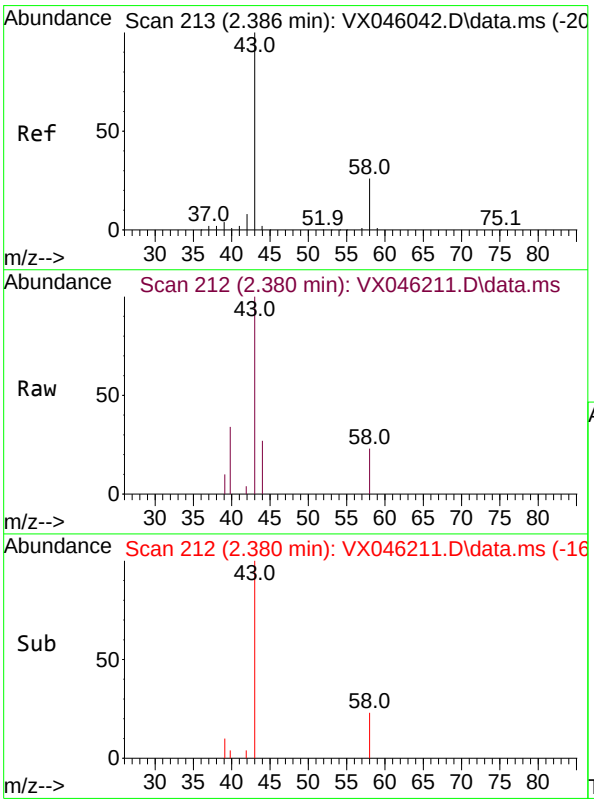
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

Tgt Ion:168 Resp: 61221

Ion	Ratio	Lower	Upper
168	100		
99	72.7	54.9	82.3

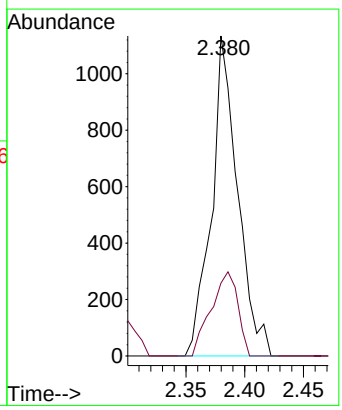


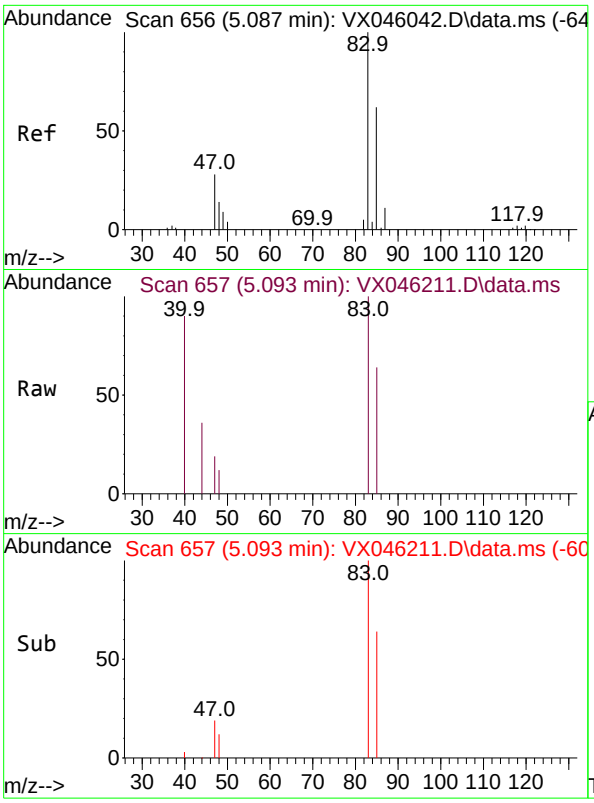


#16
Acetone
Concen: 3.833 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Tgt Ion: 43 Resp: 1754

Ion	Ratio	Lower	Upper
43	100		
58	22.8	21.2	31.8



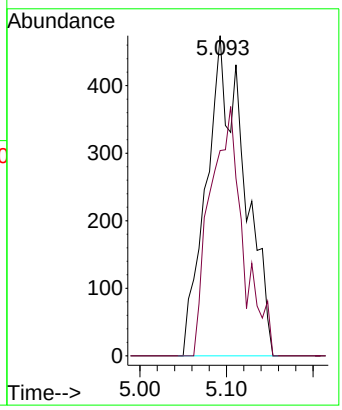


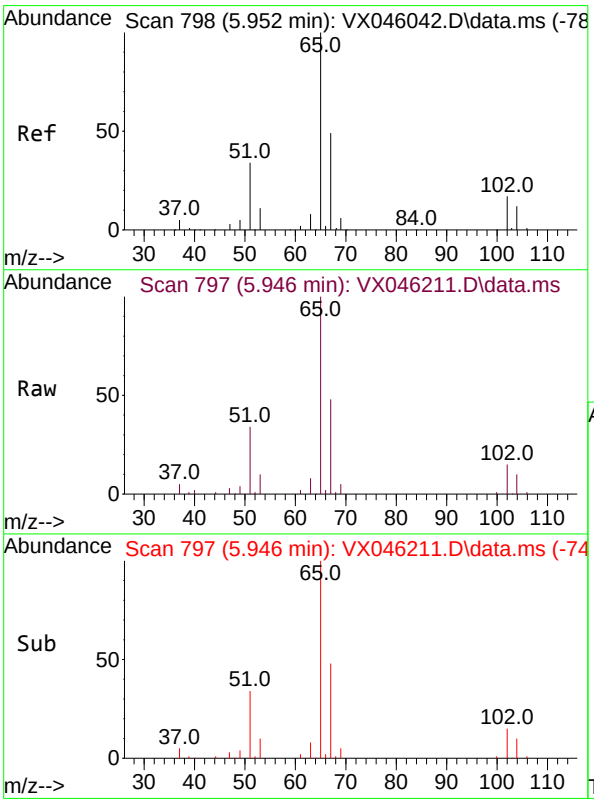
#30
Chloroform
Concen: 0.925 ug/l
RT: 5.093 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

Tgt Ion: 83 Resp: 1439

Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.3	73.9

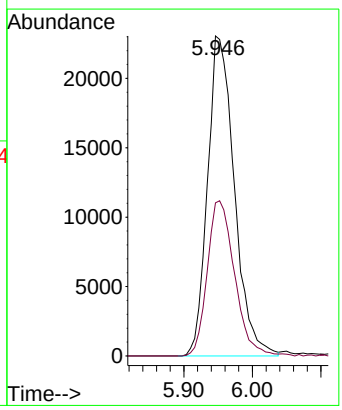


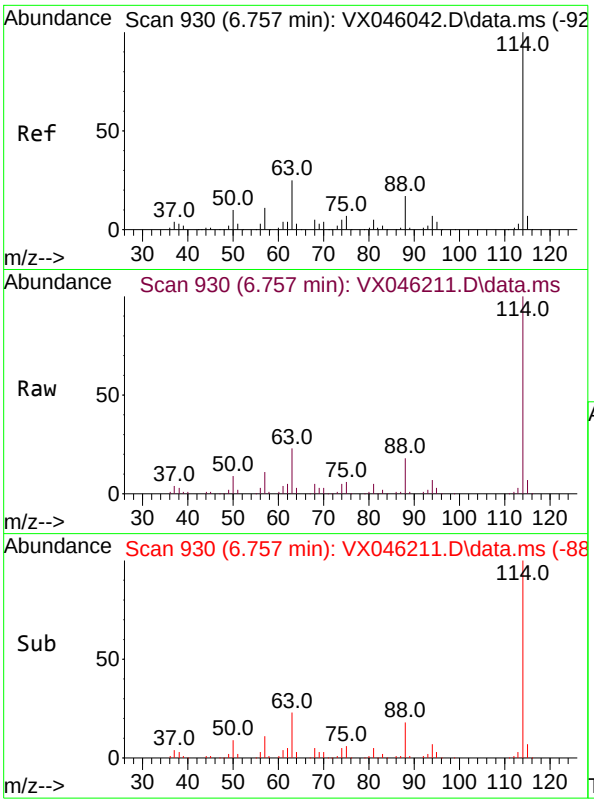


#33
1,2-Dichloroethane-d4
Concen: 54.885 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Tgt Ion: 65 Resp: 62643

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



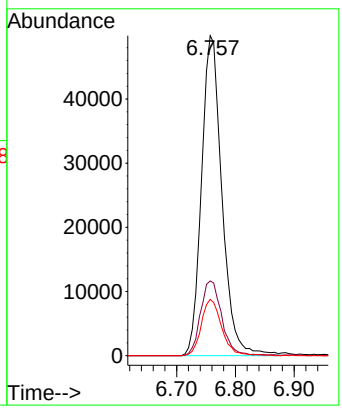


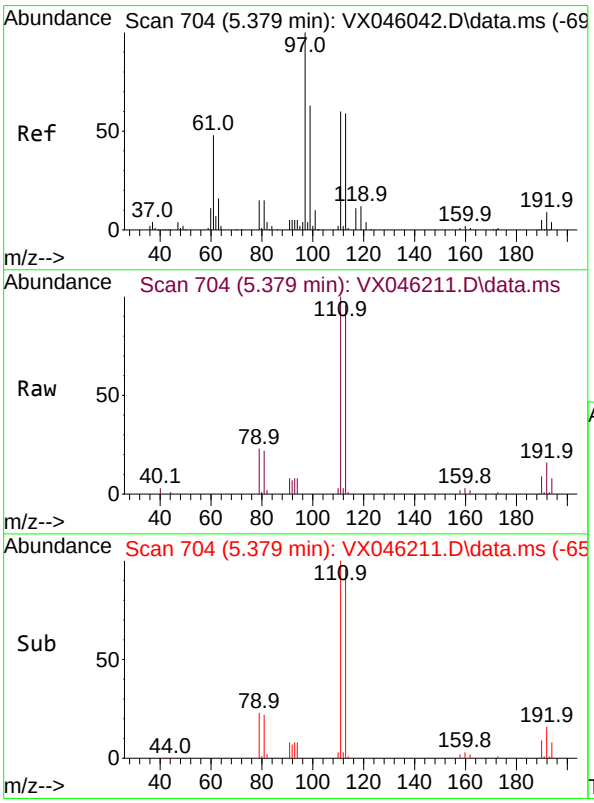
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

Tgt Ion:114 Resp: 120798

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	49.2
88	17.6	0.0	33.6

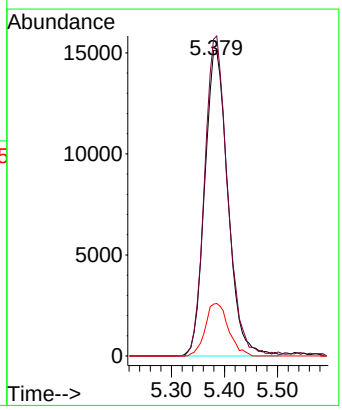


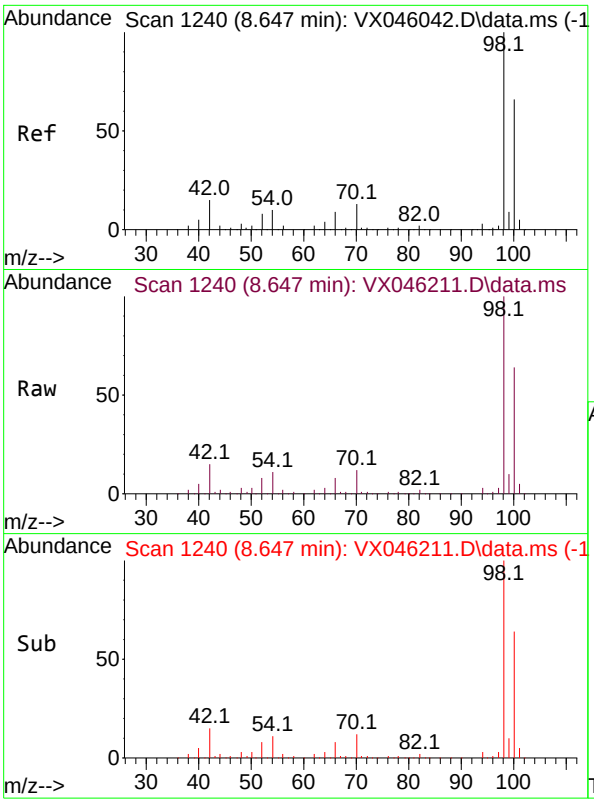


#35
Dibromofluoromethane
Concen: 52.956 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Tgt Ion:113 Resp: 46065

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	17.1	13.3	19.9



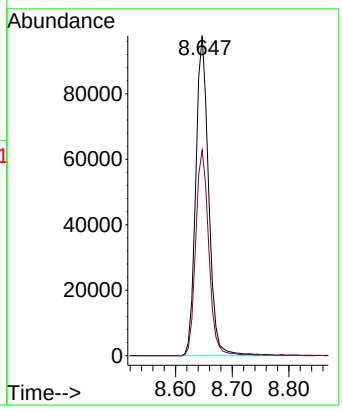


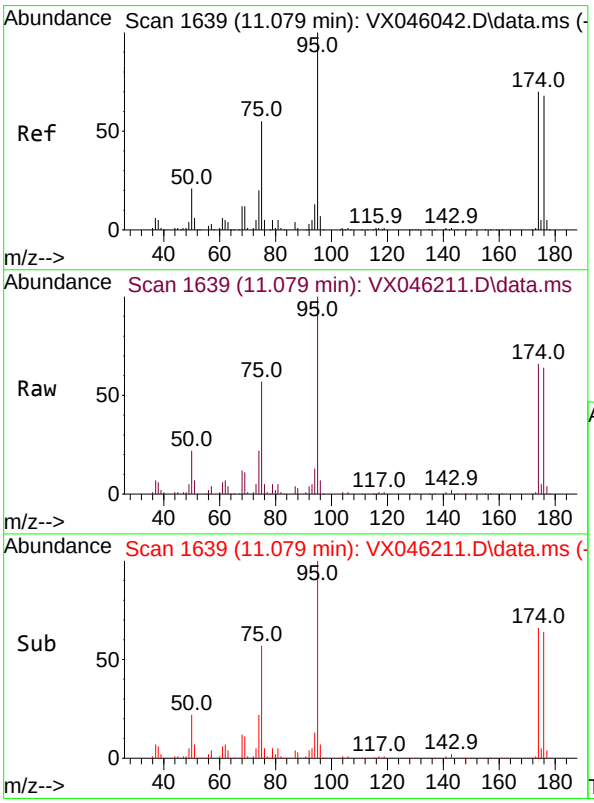
#50
Toluene-d8
Concen: 51.256 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

Tgt Ion: 98 Resp: 154318

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.5	80.3

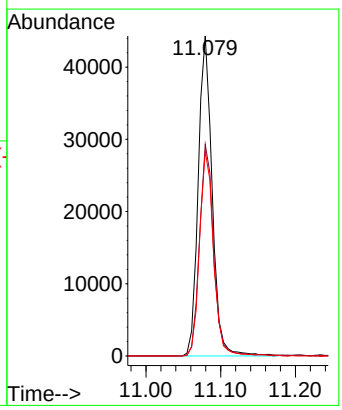


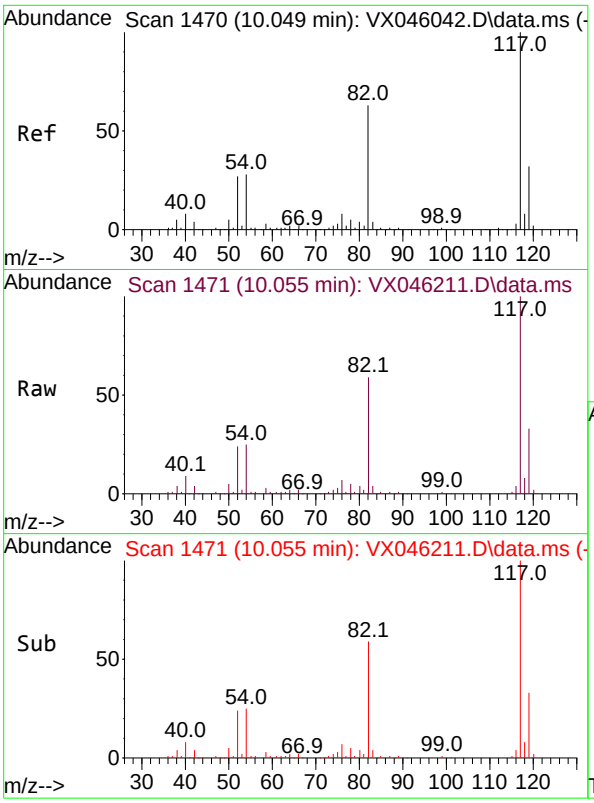


#62
4-Bromofluorobenzene
Concen: 49.616 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Tgt Ion: 95 Resp: 57300

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	64.4	0.0	131.4



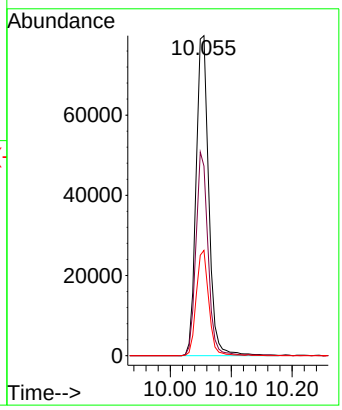


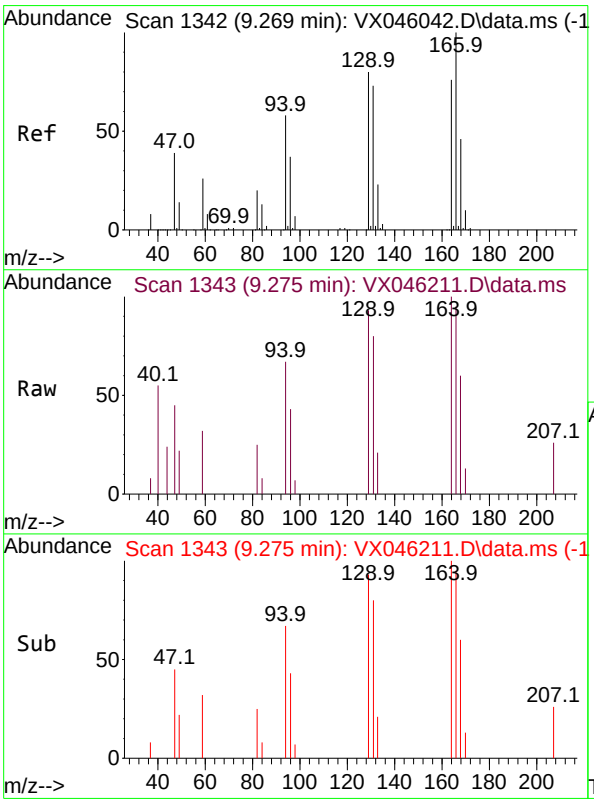
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

Tgt Ion:117 Resp: 115485

Ion	Ratio	Lower	Upper
117	100		
82	59.3	50.6	76.0
119	32.9	25.8	38.6

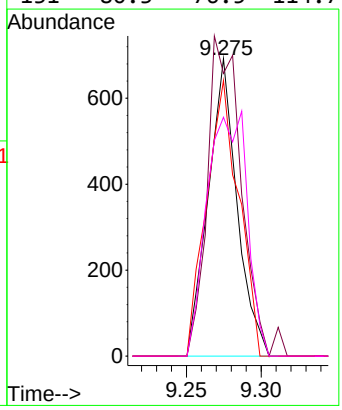


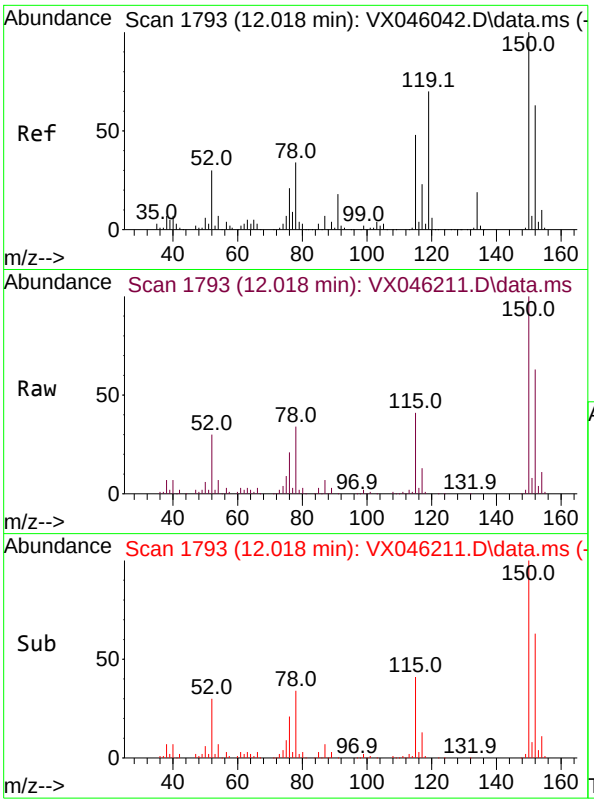


#64
Tetrachloroethene
Concen: 1.136 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Tgt Ion:164 Resp: 928

Ion	Ratio	Lower	Upper
164	100		
166	95.1	105.0	157.6#
129	92.6	83.5	125.3
131	80.3	76.5	114.7



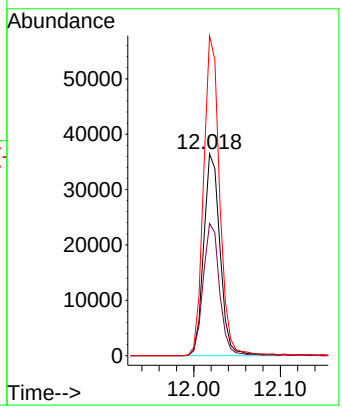


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046211.D
Acq: 15 May 2025 14:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

Tgt Ion:152 Resp: 47647

Ion	Ratio	Lower	Upper
152	100		
115	66.6	46.9	140.7
150	156.8	0.0	351.0



Sample Results: **VX046211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046211.D
Acq On : 15 May 2025 14:11
Operator : JC/MD
Sample : Q2050-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

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: VX046211.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.258	24	28	35	rVB3	2830	5590	1.28%	0.244%
2	1.563	71	78	79	rBV	3034	5065	1.16%	0.221%
3	1.587	79	82	87	rVB2	4360	5869	1.34%	0.256%
4	5.385	693	705	718	rBV	52381	156303	35.75%	6.828%
5	5.550	721	732	747	rVV	72028	204597	46.80%	8.937%
6	5.952	788	798	812	rBV2	58860	162437	37.16%	7.096%
7	6.757	921	930	946	rBV	127098	308798	70.63%	13.489%
8	8.647	1234	1240	1262	rBV	271338	437183	100.00%	19.097%
9	9.275	1338	1343	1348	rBV3	5117	8055	1.84%	0.352%
10	10.049	1465	1470	1482	rBV	271772	388465	88.86%	16.969%
11	11.079	1634	1639	1656	rBV	218750	282076	64.52%	12.322%
12	12.018	1788	1793	1806	rBV	252903	324845	74.30%	14.190%

Sum of corrected areas: 2289283

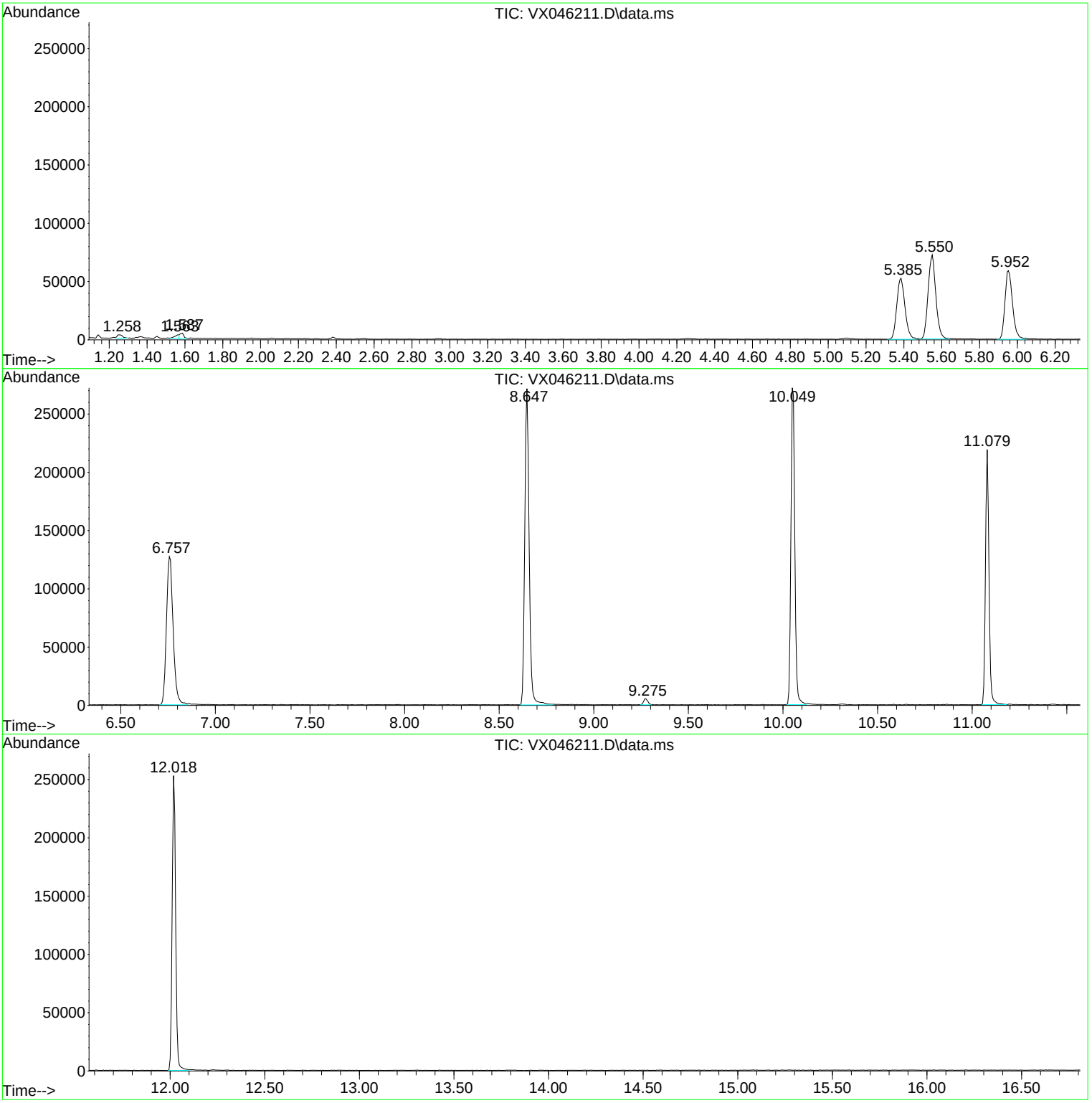
Sample Results: **VX046211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046211.D
Acq On : 15 May 2025 14:11
Operator : JC/MD
Sample : Q2050-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

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



Library Search Compound Report

Sample Results: **VX046211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046211.D
Acq On : 15 May 2025 14:11
Operator : JC/MD
Sample : Q2050-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

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\VX051525\
Data File : VX046211.D
Acq On : 15 May 2025 14:11
Operator : JC/MD
Sample : Q2050-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-100-102

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

Raw Data: **VX046212.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:	05/13/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-150-152	SDG No.:	Q2050
Lab Sample ID:	Q2050-04	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
VX046212.D	1		05/15/25 14:34	VX051525

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	4.00	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	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

Raw Data: **VX046212.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:	05/13/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-150-152	SDG No.:	Q2050
Lab Sample ID:	Q2050-04	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
VX046212.D	1		05/15/25 14:34	VX051525

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	55.7		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	63700	5.55				
540-36-3	1,4-Difluorobenzene	128000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51500	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046212.D**

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:	05/13/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-150-152	SDG No.:	Q2050
Lab Sample ID:	Q2050-04	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
VX046212.D	1		05/15/25 14:34	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX046212.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046212.D
Acq On : 15 May 2025 14:34
Operator : JC/MD
Sample : Q2050-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

Quant Time: May 16 01:06:14 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

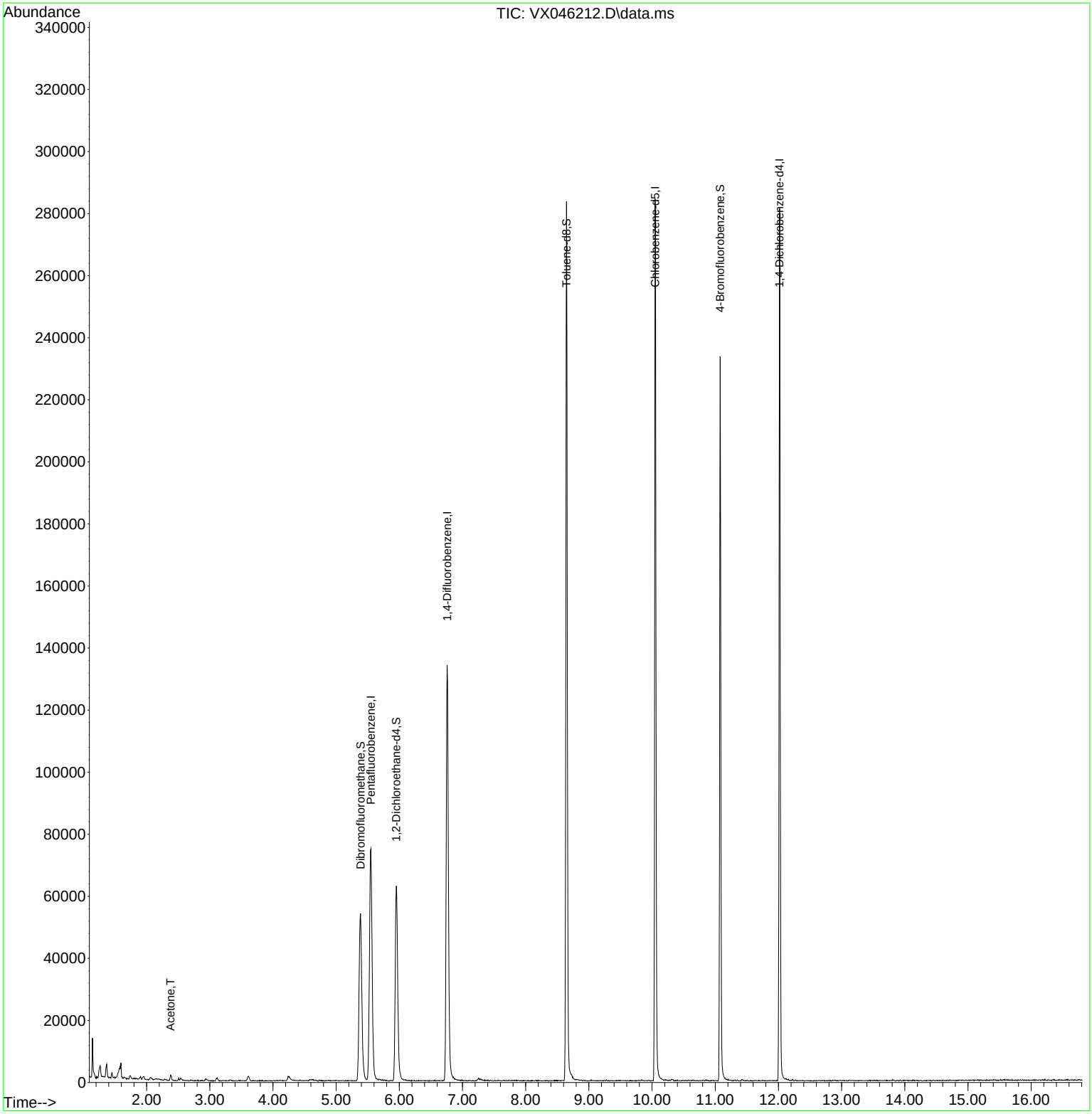
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	63694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128038	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66083	55.651	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.300%			
35) Dibromofluoromethane	5.385	113	48275	52.358	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.720%			
50) Toluene-d8	8.647	98	161234	50.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.040%			
62) 4-Bromofluorobenzene	11.079	95	61266	50.050	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.100%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1902	3.995	ug/l	99

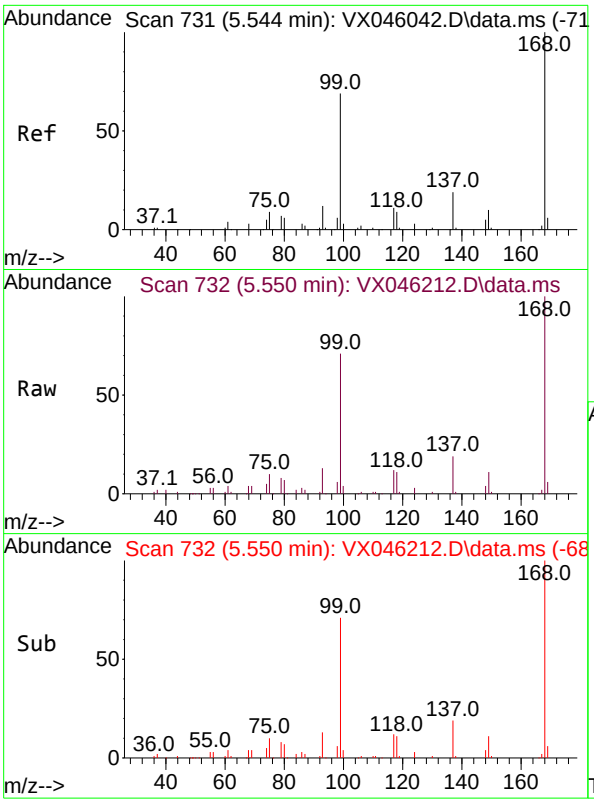
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046212.D
Acq On : 15 May 2025 14:34
Operator : JC/MD
Sample : Q2050-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

Quant Time: May 16 01:06:14 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



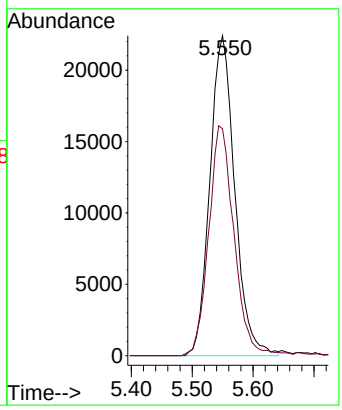


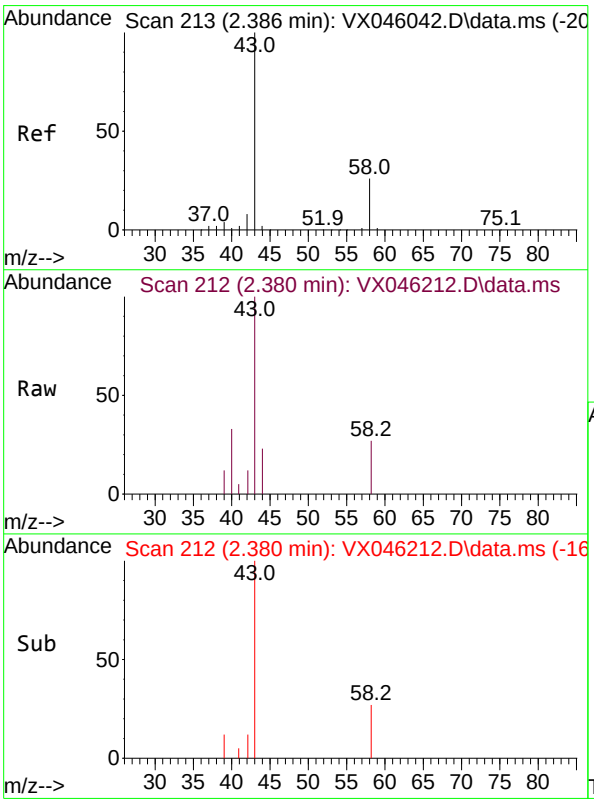
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

Tgt Ion:168 Resp: 63694

Ion	Ratio	Lower	Upper
168	100		
99	70.9	54.9	82.3

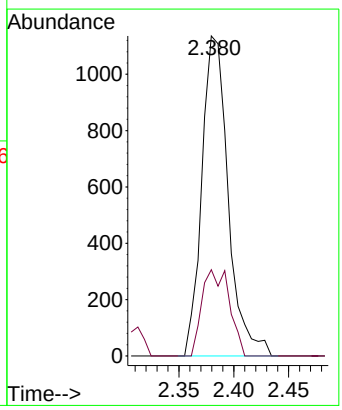


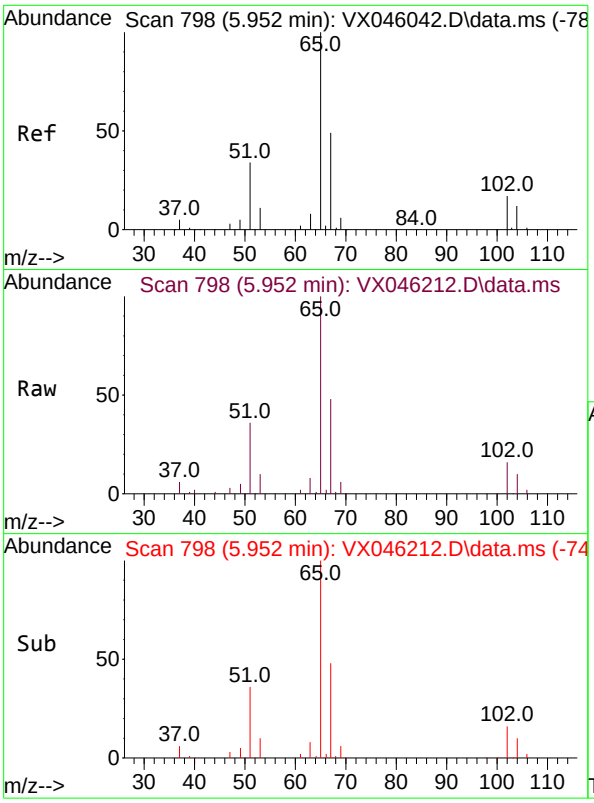


#16
Acetone
Concen: 3.995 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Tgt Ion: 43 Resp: 1902

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.2	31.8



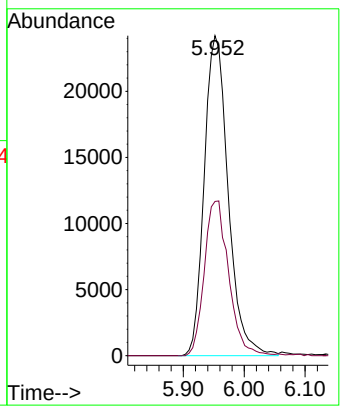


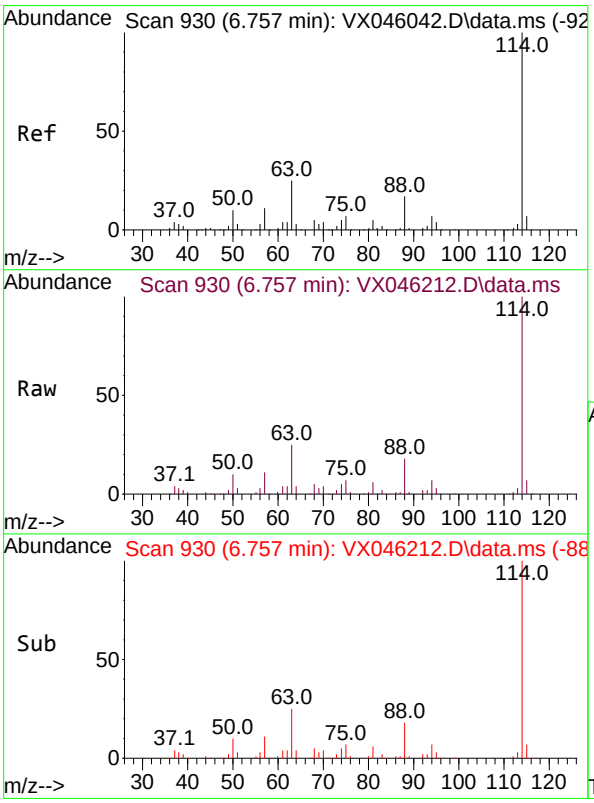
#33
1,2-Dichloroethane-d4
Concen: 55.651 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

Tgt Ion: 65 Resp: 66083

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

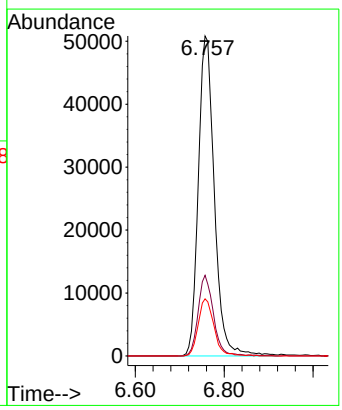


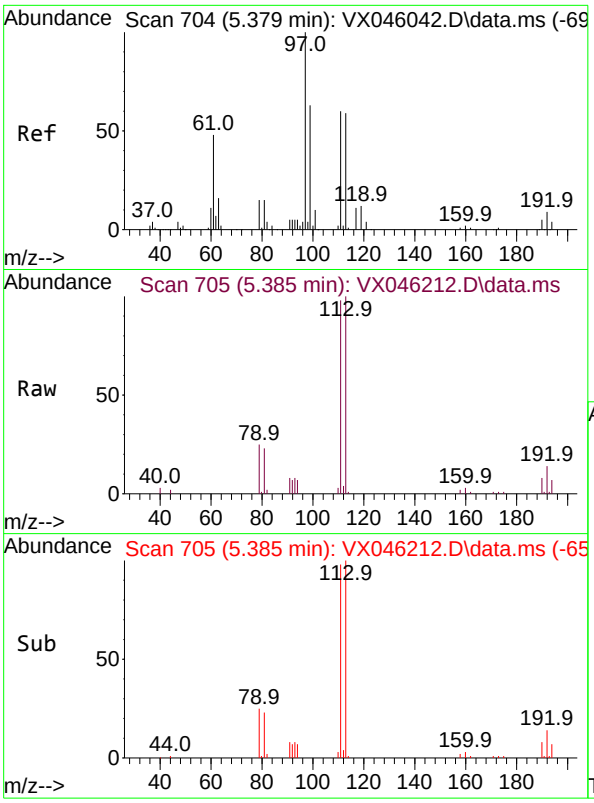


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Tgt Ion:114 Resp: 128038

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	17.8	0.0	33.6



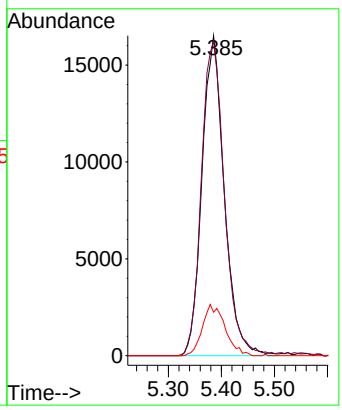


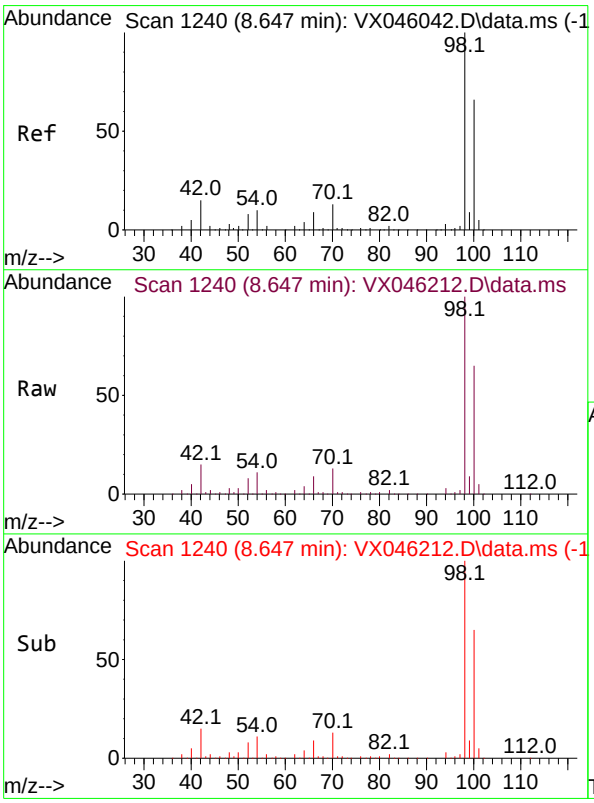
#35
Dibromofluoromethane
Concen: 52.358 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

Tgt Ion:113 Resp: 48275

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.1	124.7
192	16.3	13.3	19.9

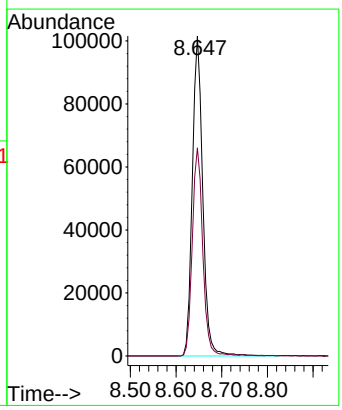


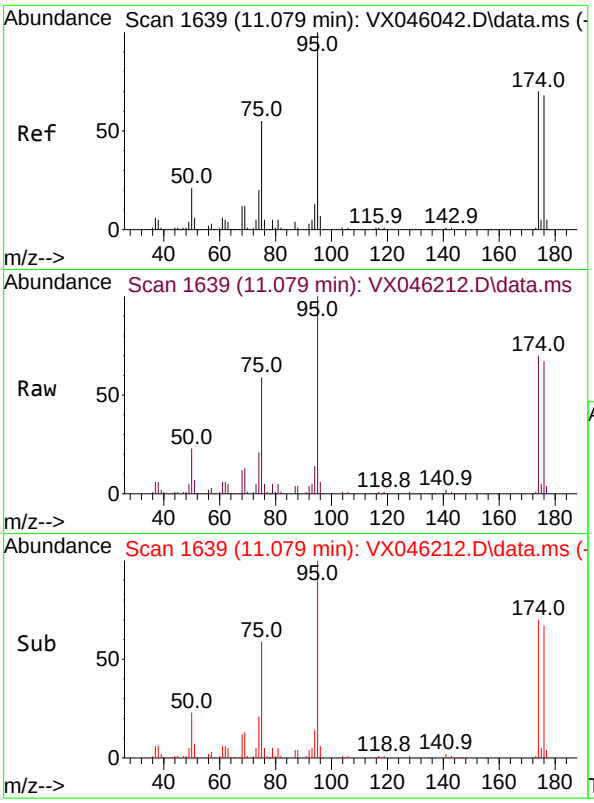


#50
Toluene-d8
Concen: 50.525 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Tgt Ion: 98 Resp: 161234

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.5	80.3



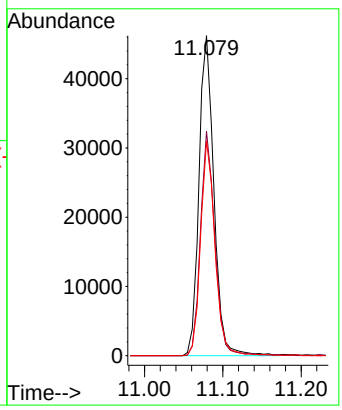


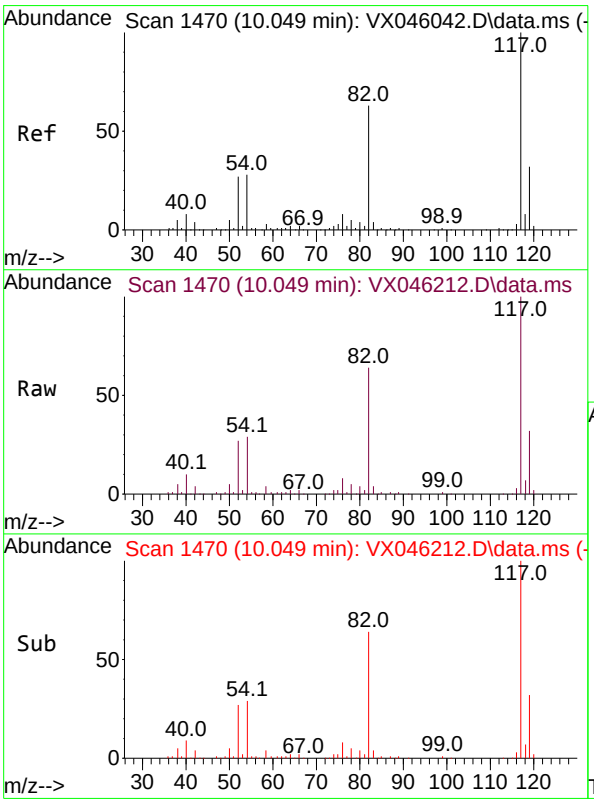
#62
4-Bromofluorobenzene
Concen: 50.050 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

Tgt Ion: 95 Resp: 61266

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	64.5	0.0	131.4

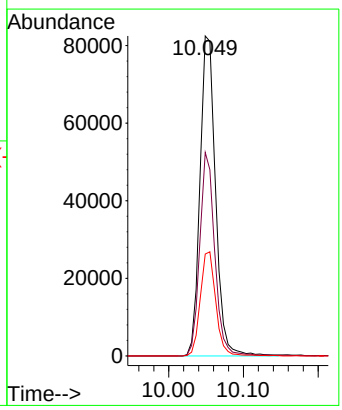


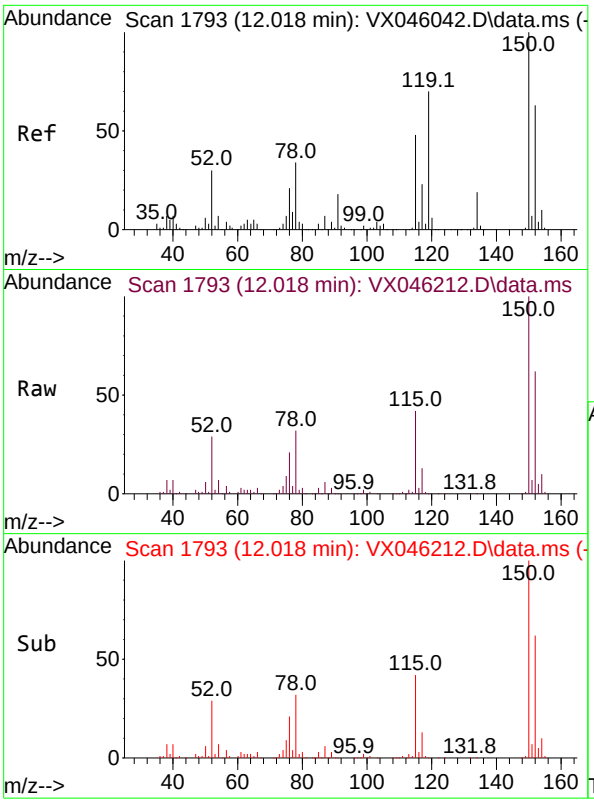


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Tgt Ion:117 Resp: 119578

Ion	Ratio	Lower	Upper
117	100		
82	63.6	50.6	76.0
119	31.9	25.8	38.6



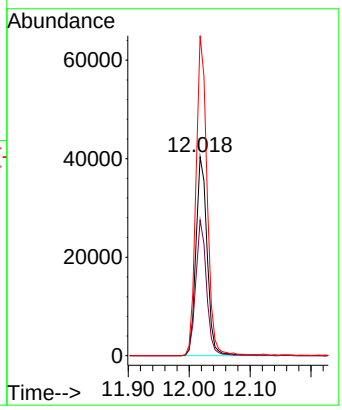


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046212.D
Acq: 15 May 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

Tgt Ion:152 Resp: 51539

Ion	Ratio	Lower	Upper
152	100		
115	65.7	46.9	140.7
150	159.3	0.0	351.0



Sample Results: **VX046212.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046212.D
Acq On : 15 May 2025 14:34
Operator : JC/MD
Sample : Q2050-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

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: VX046212.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	12964	13648	3.00%	0.561%
2	1.264	23	29	34	rBV4	3830	7450	1.64%	0.306%
3	1.368	41	46	51	rVB3	4391	6678	1.47%	0.275%
4	1.569	68	79	80	rBV3	3184	6604	1.45%	0.272%
5	1.593	80	83	89	rVB3	5009	5679	1.25%	0.234%
6	5.385	693	705	721	rBV	54038	163082	35.87%	6.709%
7	5.550	721	732	745	rVV	74364	213410	46.94%	8.779%
8	5.952	789	798	814	rBV2	62760	171456	37.72%	7.053%
9	6.757	921	930	949	rBV	133914	326839	71.89%	13.445%
10	8.647	1233	1240	1258	rBV	283408	454609	100.00%	18.702%
11	10.049	1465	1470	1485	rBV	284254	408175	89.79%	16.791%
12	11.079	1634	1639	1654	rBV	233489	301477	66.32%	12.402%
13	12.018	1788	1793	1805	rBV	281072	351746	77.37%	14.470%

Sum of corrected areas: 2430853

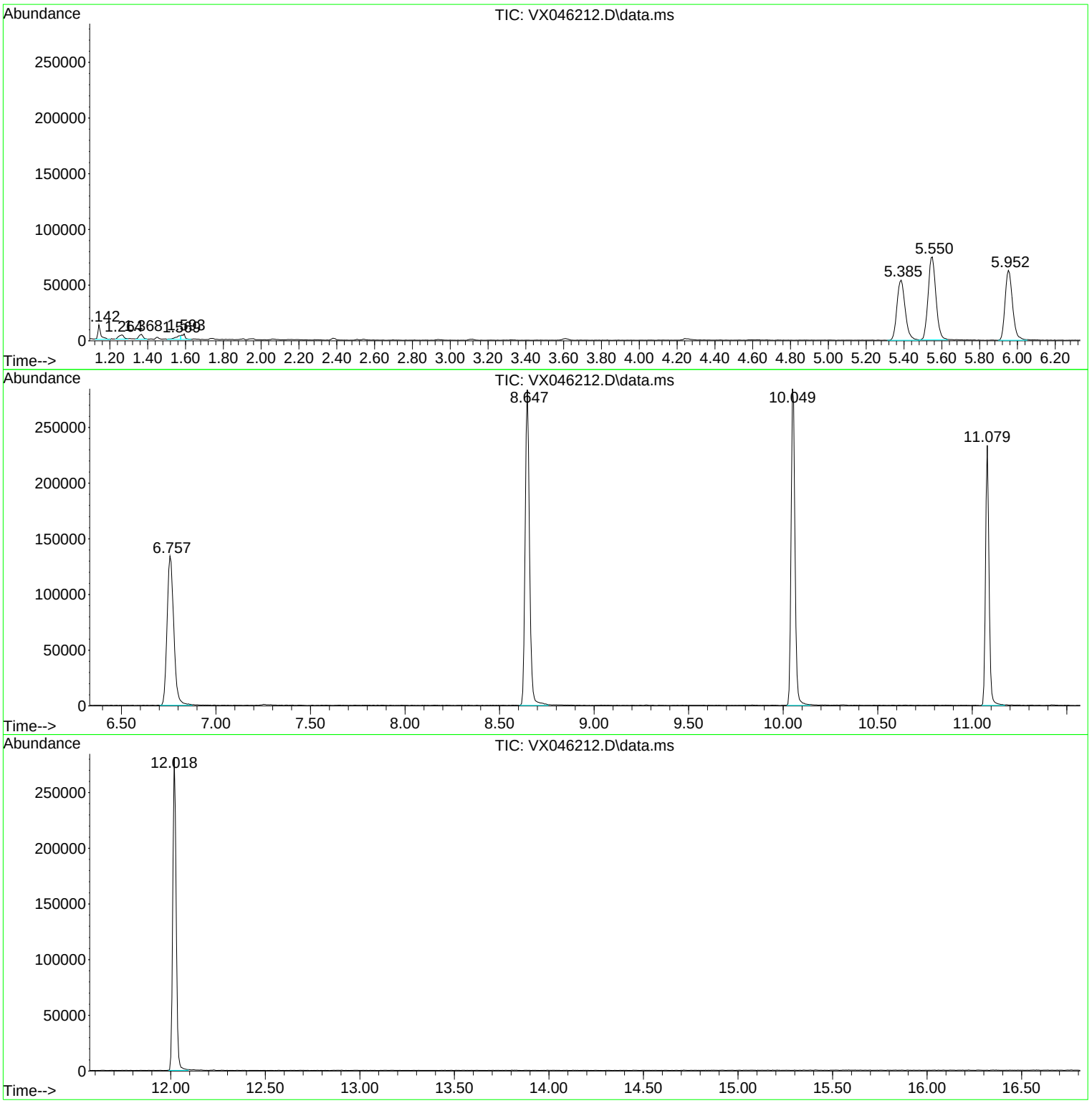
Sample Results: **VX046212.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046212.D
Acq On : 15 May 2025 14:34
Operator : JC/MD
Sample : Q2050-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

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



Library Search Compound Report

Sample Results: **VX046212.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046212.D
Acq On : 15 May 2025 14:34
Operator : JC/MD
Sample : Q2050-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

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\VX051525\
Data File : VX046212.D
Acq On : 15 May 2025 14:34
Operator : JC/MD
Sample : Q2050-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-150-152

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

Raw Data: **VX046213.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-205-207	SDG No.:	Q2050
Lab Sample ID:	Q2050-05	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
VX046213.D	1		05/15/25 14:58	VX051525

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	5.20		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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

Raw Data: **VX046213.D**

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-205-207	SDG No.:	Q2050
Lab Sample ID:	Q2050-05	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
VX046213.D	1		05/15/25 14:58	VX051525

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	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	60500	5.55				
540-36-3	1,4-Difluorobenzene	121000	6.757				
3114-55-4	Chlorobenzene-d5	113000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	47400	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046213.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-205-207	SDG No.:	Q2050
Lab Sample ID:	Q2050-05	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
VX046213.D	1		05/15/25 14:58	VX051525

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\VX051525\
Data File : VX046213.D
Acq On : 15 May 2025 14:58
Operator : JC/MD
Sample : Q2050-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

Quant Time: May 16 01:06:35 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

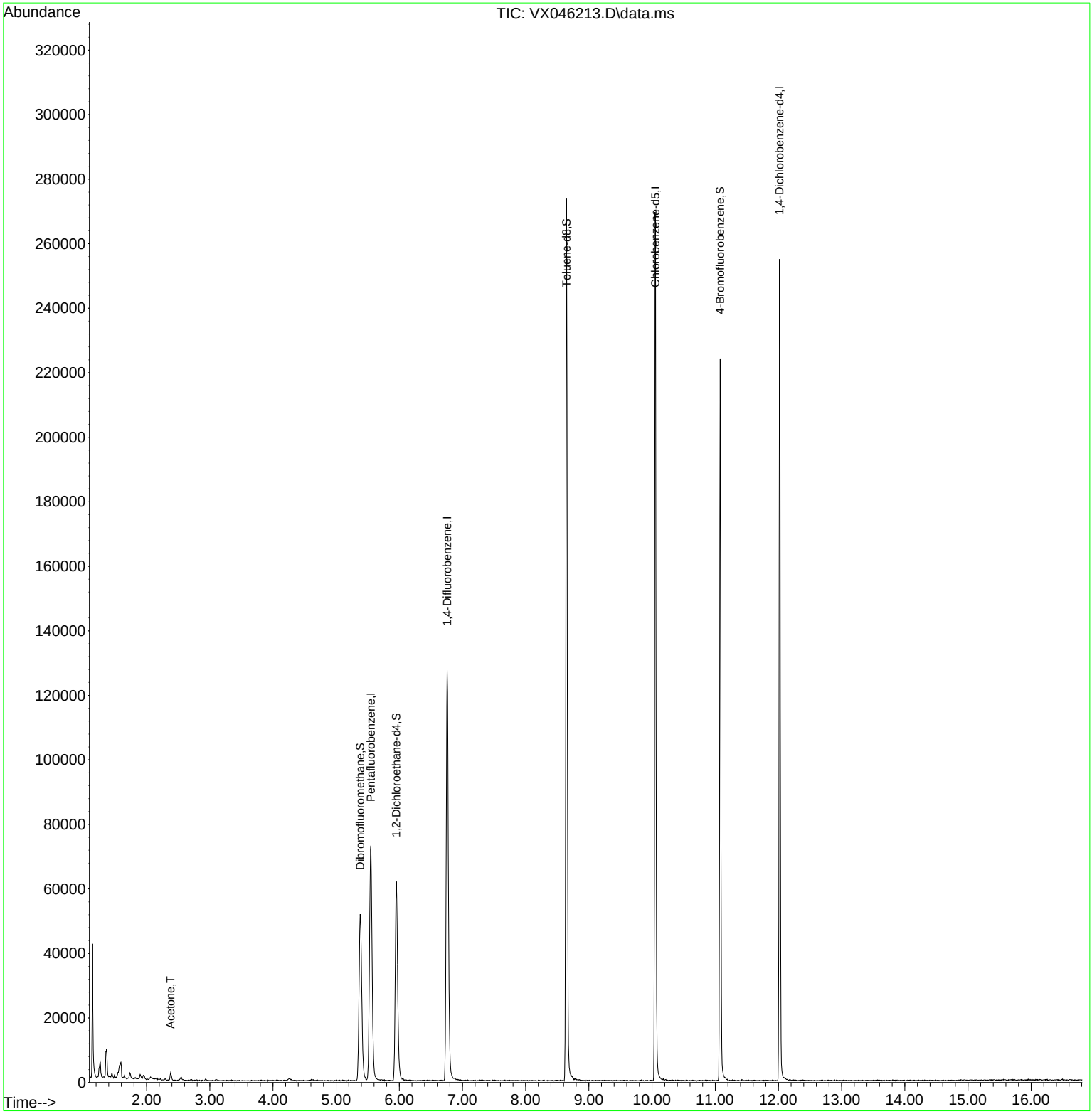
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	60533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121144	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62575	55.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.900%			
35) Dibromofluoromethane	5.379	113	45370	52.008	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	8.647	98	155555	51.519	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.040%			
62) 4-Bromofluorobenzene	11.079	95	57300	49.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.940%			
Target Compounds						Qvalue
16) Acetone	2.380	43	2332	5.154	ug/l	99

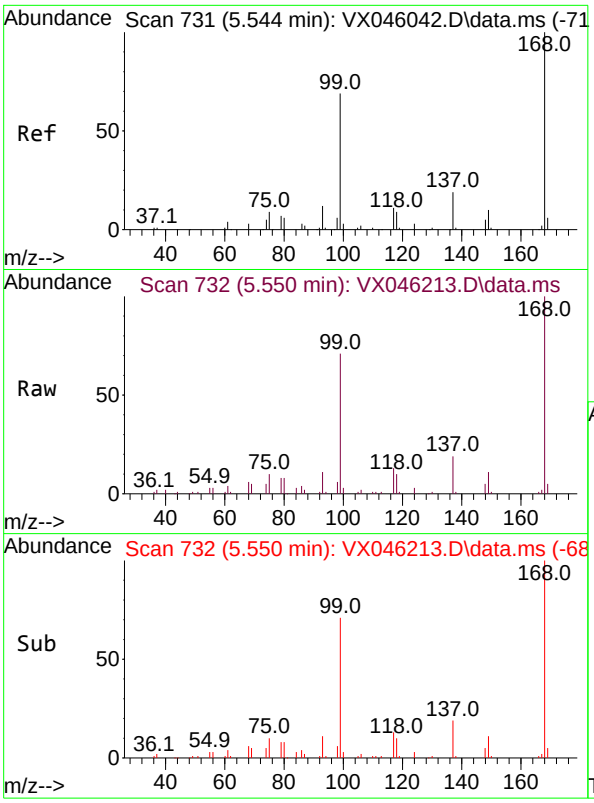
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046213.D
Acq On : 15 May 2025 14:58
Operator : JC/MD
Sample : Q2050-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

Quant Time: May 16 01:06:35 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



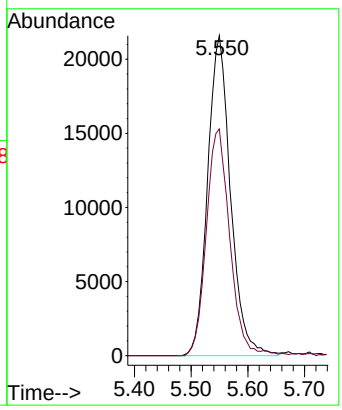


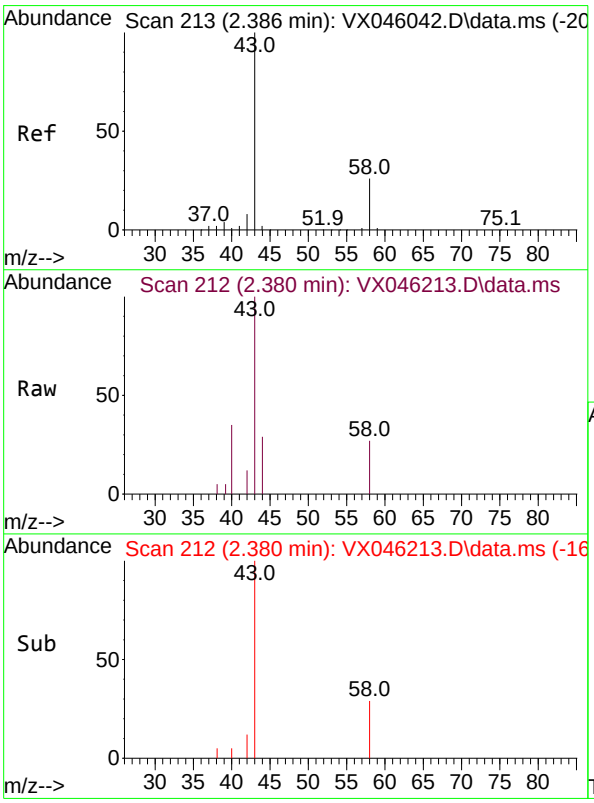
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

Tgt Ion:168 Resp: 60533

Ion	Ratio	Lower	Upper
168	100		
99	70.9	54.9	82.3

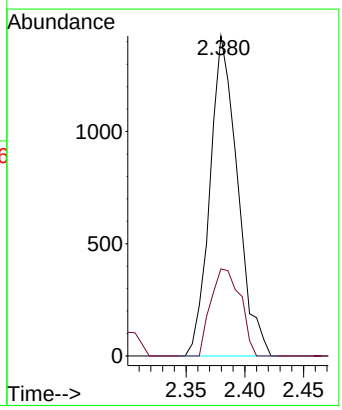


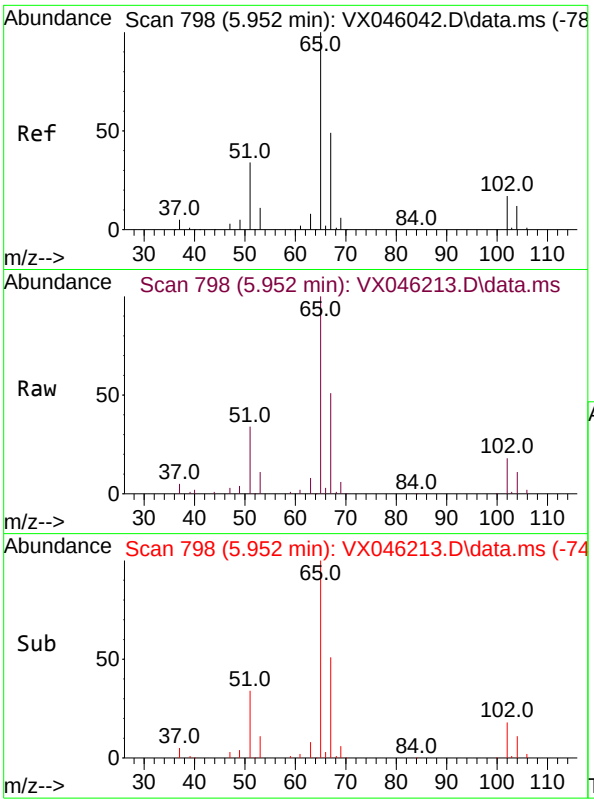


#16
Acetone
Concen: 5.154 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Tgt Ion: 43 Resp: 2332

Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.2	31.8



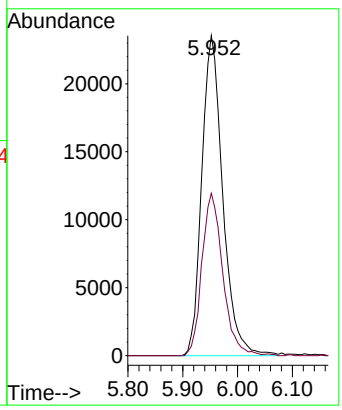


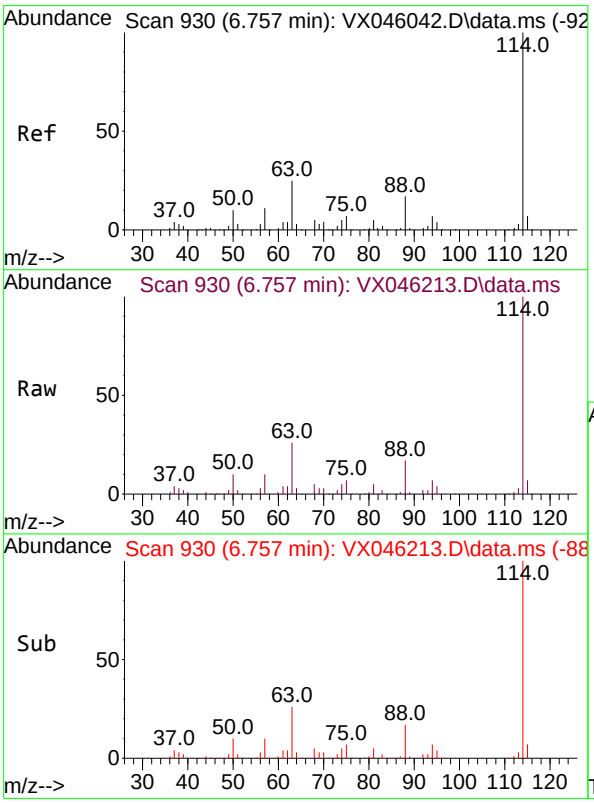
#33
1,2-Dichloroethane-d4
Concen: 55.448 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

Tgt Ion: 65 Resp: 62575

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.0

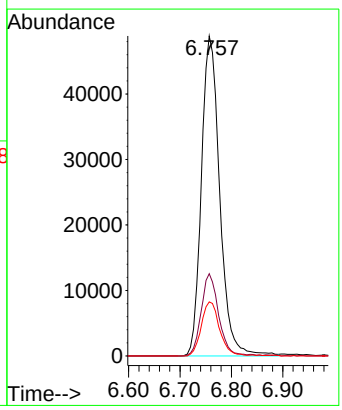


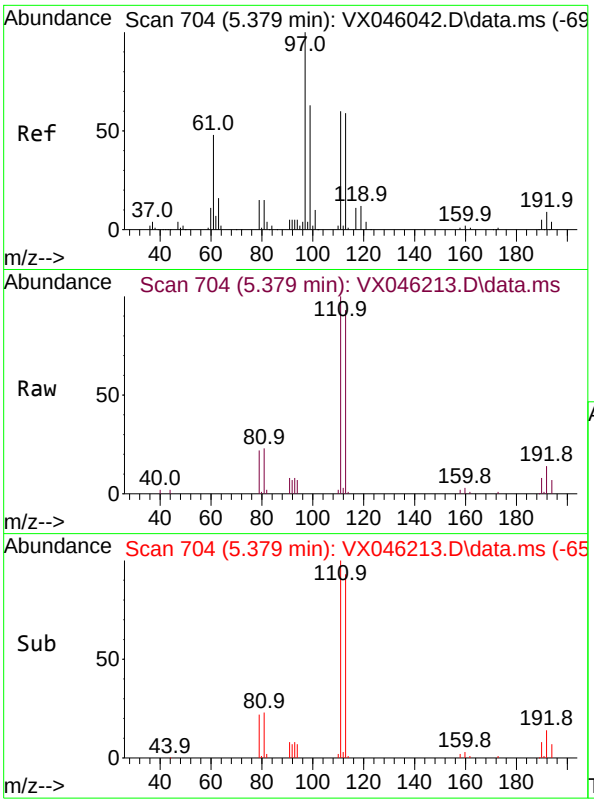


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Tgt Ion:114 Resp: 121144

Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	49.2
88	16.9	0.0	33.6



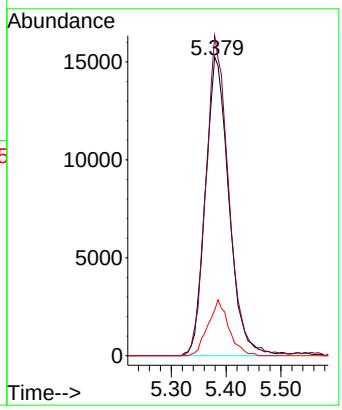


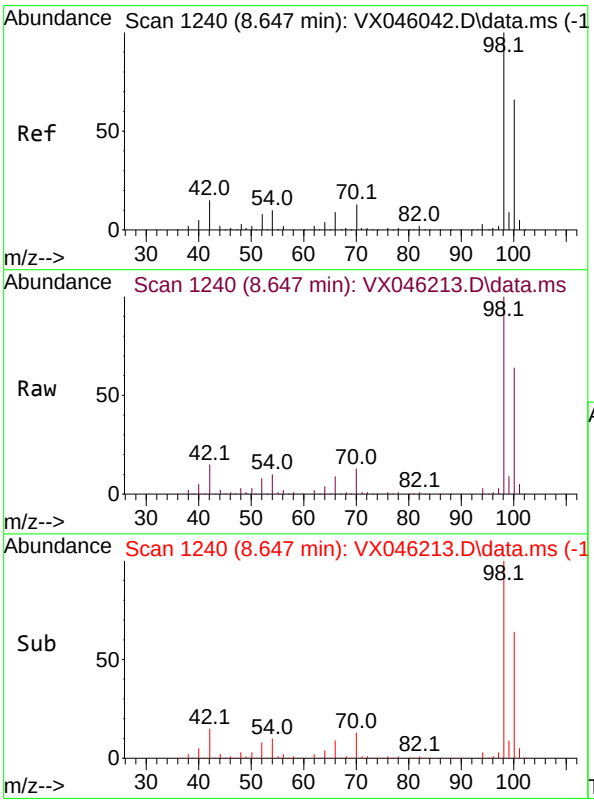
#35
Dibromofluoromethane
Concen: 52.008 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

Tgt Ion:113 Resp: 45370

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	16.6	13.3	19.9

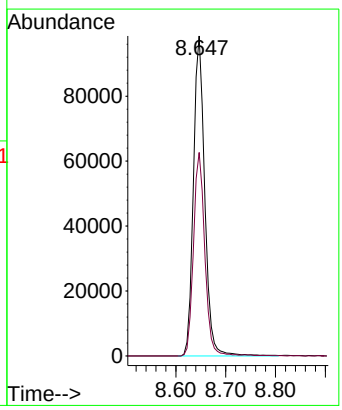


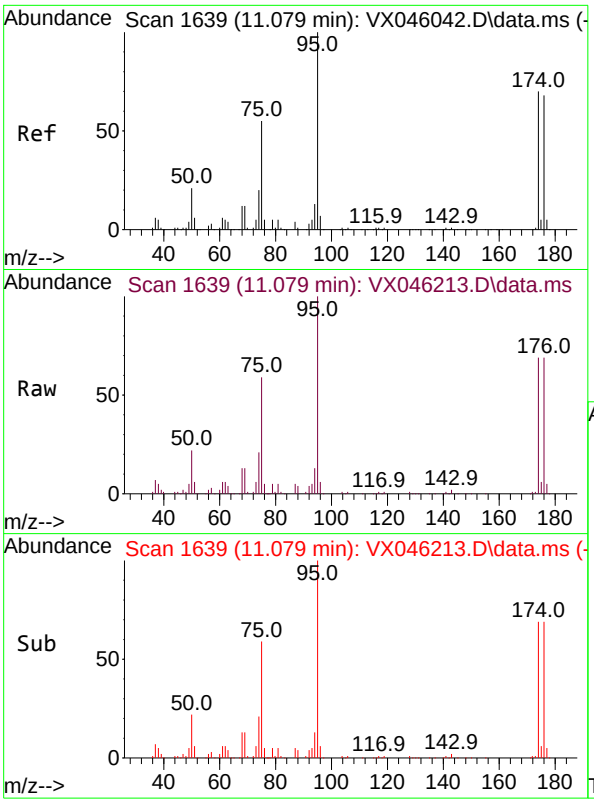


#50
Toluene-d8
Concen: 51.519 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Tgt Ion: 98 Resp: 155555

Ion	Ratio	Lower	Upper
98	100		
100	63.3	53.5	80.3



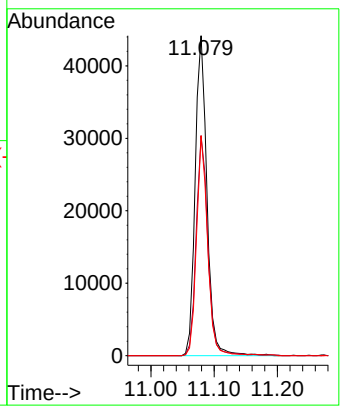


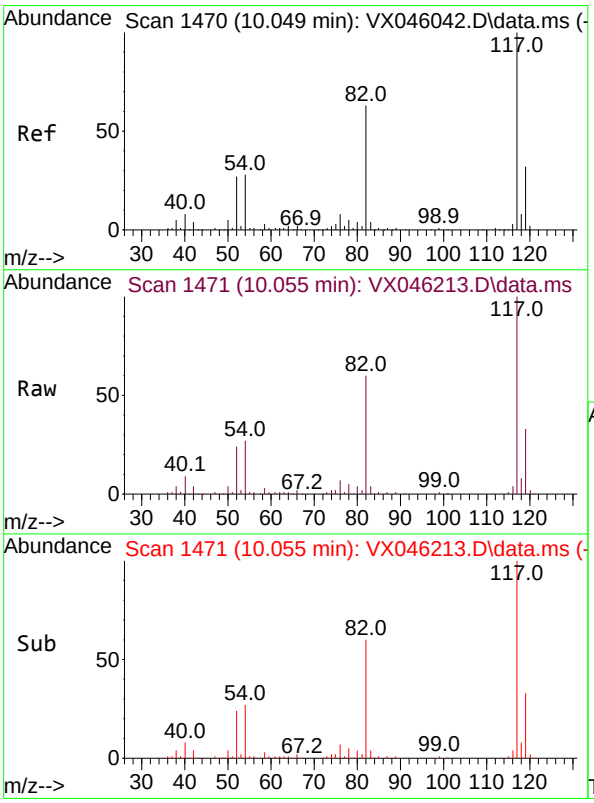
#62
4-Bromofluorobenzene
Concen: 49.474 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

Tgt Ion: 95 Resp: 57300

Ion	Ratio	Lower	Upper
95	100		
174	68.4	0.0	135.8
176	64.6	0.0	131.4

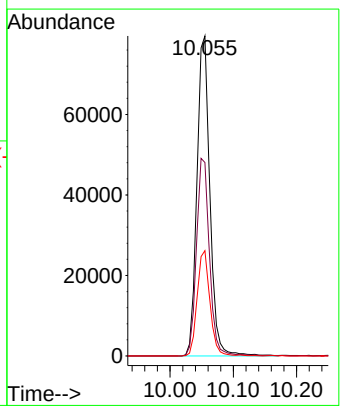


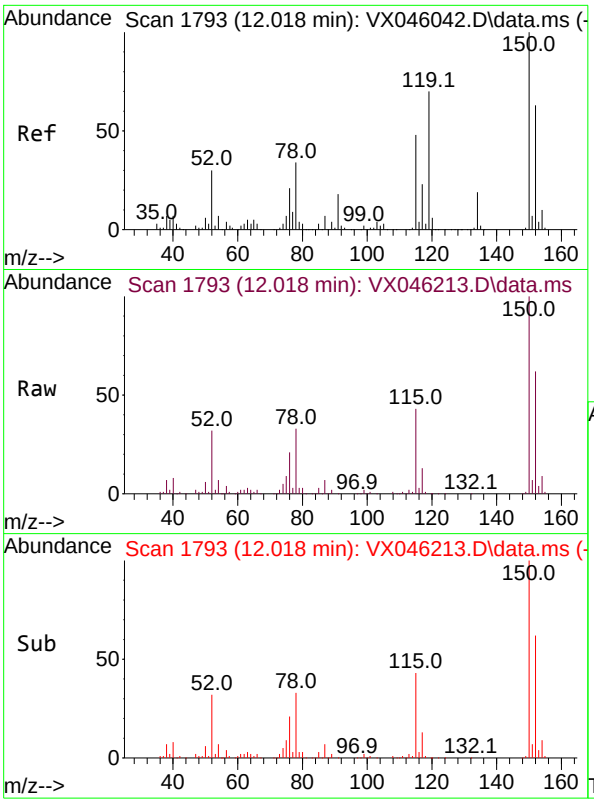


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Tgt Ion:117 Resp: 113426

Ion	Ratio	Lower	Upper
117	100		
82	60.4	50.6	76.0
119	32.9	25.8	38.6



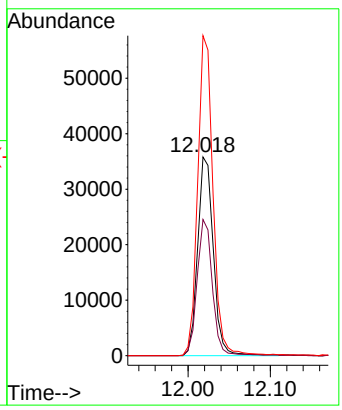


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046213.D
Acq: 15 May 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

Tgt Ion:152 Resp: 47407

Ion	Ratio	Lower	Upper
152	100		
115	66.7	46.9	140.7
150	158.2	0.0	351.0



Sample Results: **VX046213.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046213.D
Acq On : 15 May 2025 14:58
Operator : JC/MD
Sample : Q2050-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

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: VX046213.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	41585	39429	9.14%	1.685%
2	1.264	23	29	35	rVB3	4704	8269	1.92%	0.353%
3	1.368	40	46	51	rBV2	8863	14364	3.33%	0.614%
4	1.593	71	83	86	rBV2	4679	12502	2.90%	0.534%
5	5.379	693	704	721	rBV3	51682	154923	35.92%	6.621%
6	5.550	721	732	750	rVV	72591	205480	47.65%	8.782%
7	5.952	789	798	813	rBV	61786	163804	37.98%	7.001%
8	6.757	921	930	947	rBV	127183	310431	71.98%	13.267%
9	8.647	1234	1240	1253	rBV	273434	431271	100.00%	18.431%
10	10.049	1465	1470	1488	rBV	269267	390398	90.52%	16.685%
11	11.079	1634	1639	1650	rBV	223825	283903	65.83%	12.133%
12	12.018	1788	1793	1808	rBV	254580	325104	75.38%	13.894%

Sum of corrected areas: 2339878

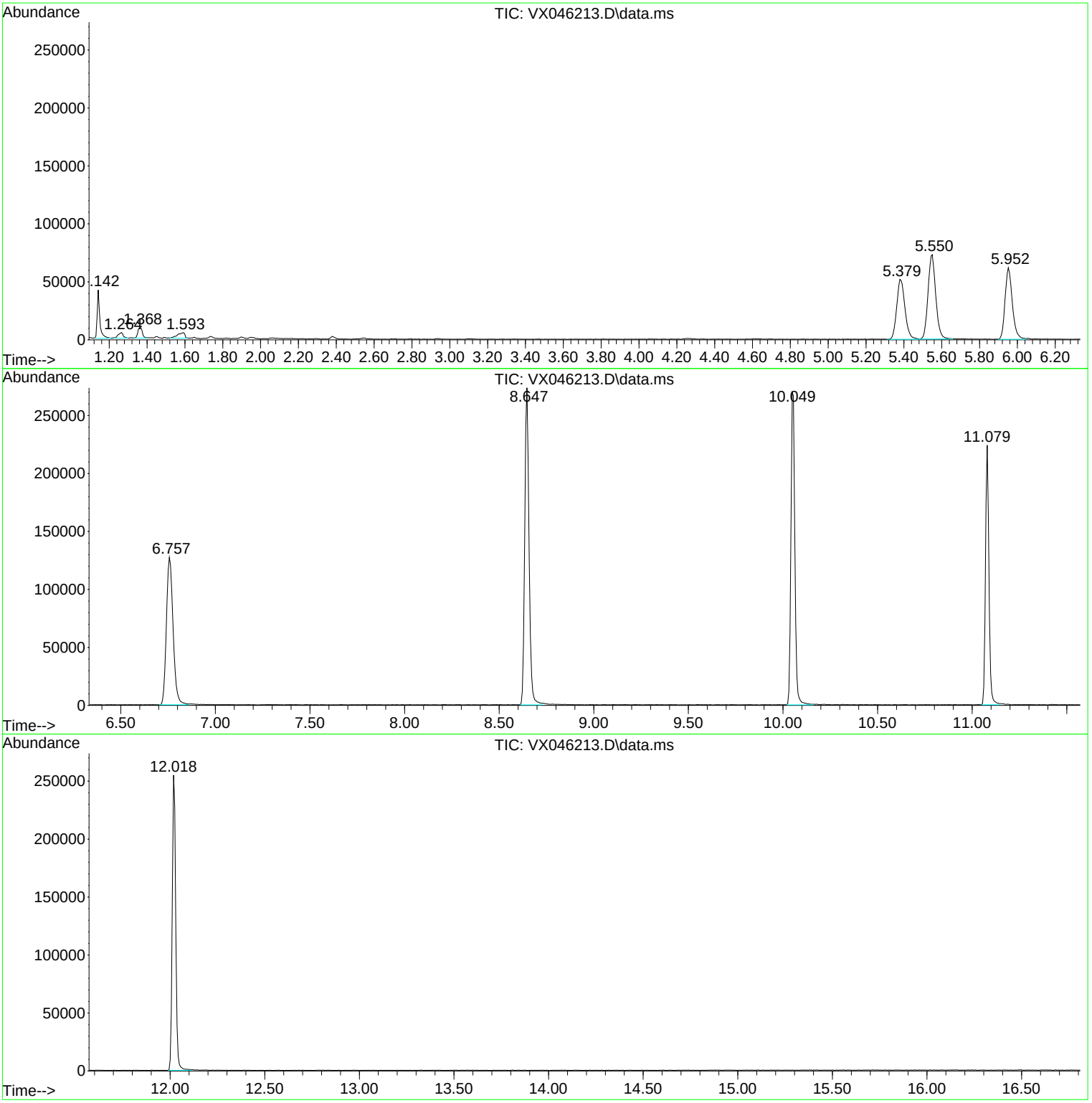
Sample Results: **VX046213.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046213.D
Acq On : 15 May 2025 14:58
Operator : JC/MD
Sample : Q2050-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

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



Library Search Compound Report

Sample Results: **VX046213.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046213.D
Acq On : 15 May 2025 14:58
Operator : JC/MD
Sample : Q2050-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

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\VX051525\
Data File : VX046213.D
Acq On : 15 May 2025 14:58
Operator : JC/MD
Sample : Q2050-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-205-207

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

Raw Data: **VX046214.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-220-222	SDG No.:	Q2050
Lab Sample ID:	Q2050-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046214.D	1		05/15/25 15:21	VX051525

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	3.20	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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

Raw Data: **VX046214.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-220-222	SDG No.:	Q2050
Lab Sample ID:	Q2050-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046214.D	1		05/15/25 15:21	VX051525

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	54.6		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	60700	5.55				
540-36-3	1,4-Difluorobenzene	121000	6.763				
3114-55-4	Chlorobenzene-d5	112000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	45000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046214.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-220-222	SDG No.:	Q2050
Lab Sample ID:	Q2050-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046214.D	1		05/15/25 15:21	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX046214.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046214.D
Acq On : 15 May 2025 15:21
Operator : JC/MD
Sample : Q2050-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

Quant Time: May 16 01:06:57 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

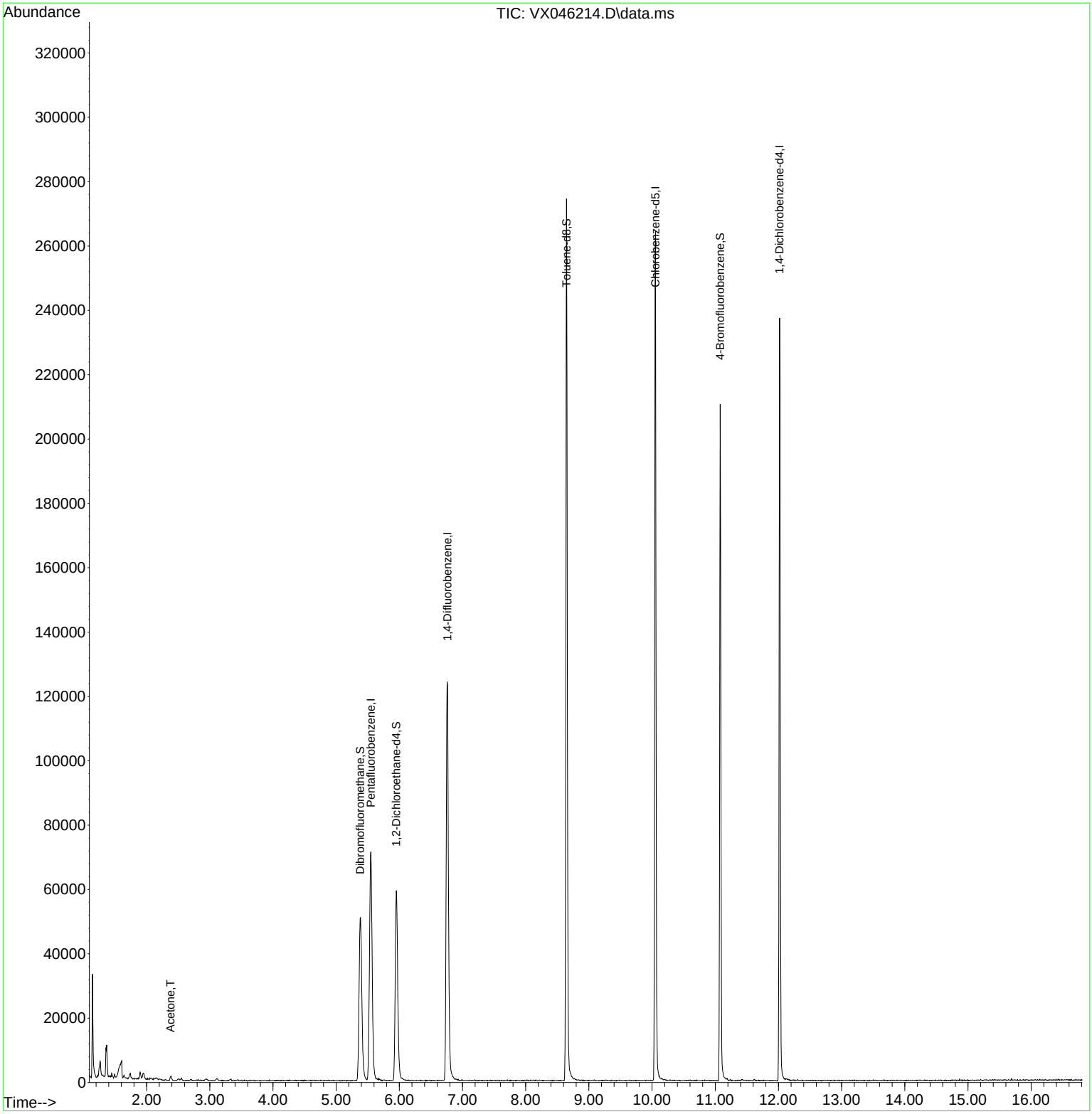
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	60707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121001	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61824	54.626	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.260%			
35) Dibromofluoromethane	5.379	113	45003	51.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	8.647	98	153201	50.799	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.600%			
62) 4-Bromofluorobenzene	11.079	95	55967	48.380	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.760%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1461	3.220	ug/l #	83

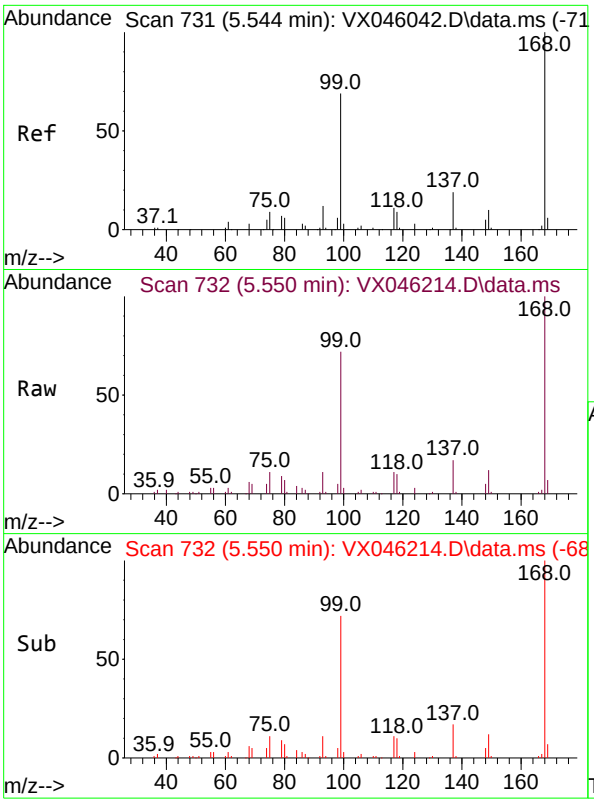
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046214.D
Acq On : 15 May 2025 15:21
Operator : JC/MD
Sample : Q2050-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

Quant Time: May 16 01:06:57 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



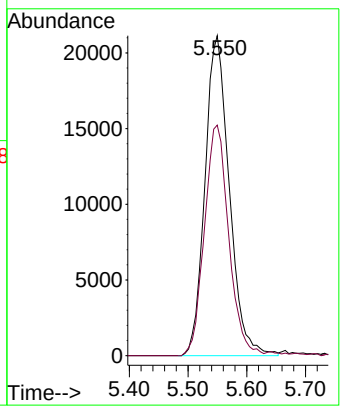


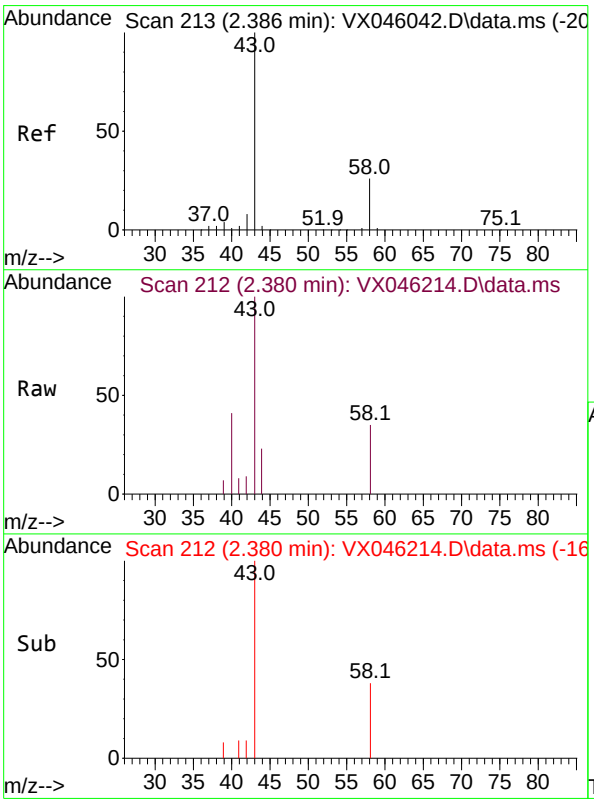
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

Tgt Ion:168 Resp: 60707

Ion	Ratio	Lower	Upper
168	100		
99	72.1	54.9	82.3

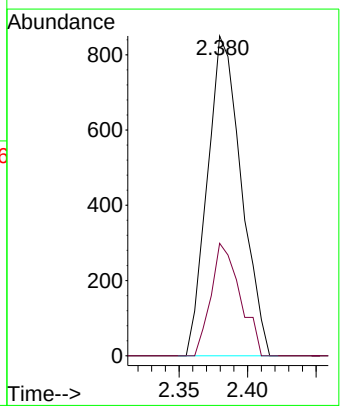


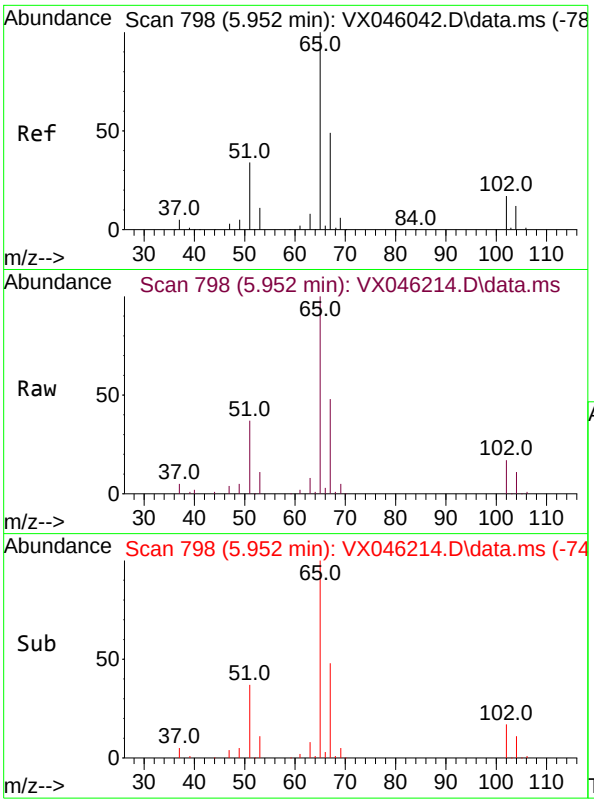


#16
Acetone
Concen: 3.220 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Tgt Ion: 43 Resp: 1461

Ion	Ratio	Lower	Upper
43	100		
58	35.2	21.2	31.8#



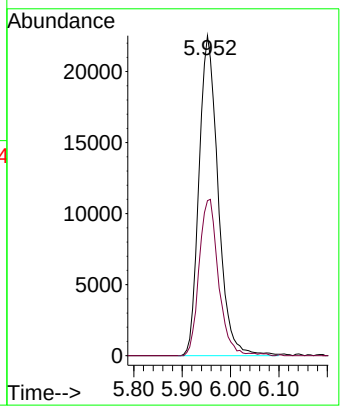


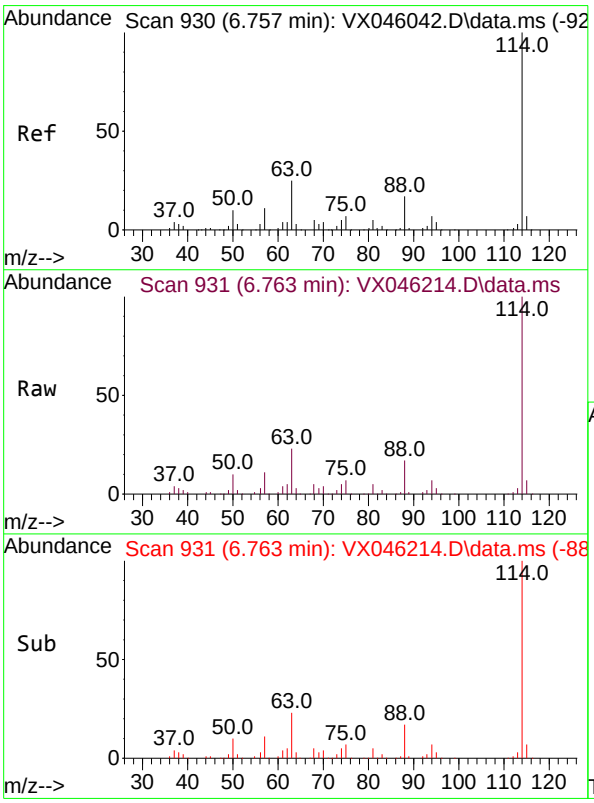
#33
1,2-Dichloroethane-d4
Concen: 54.626 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

Tgt Ion: 65 Resp: 61824

Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	99.0

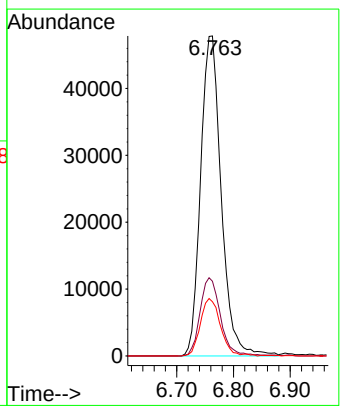


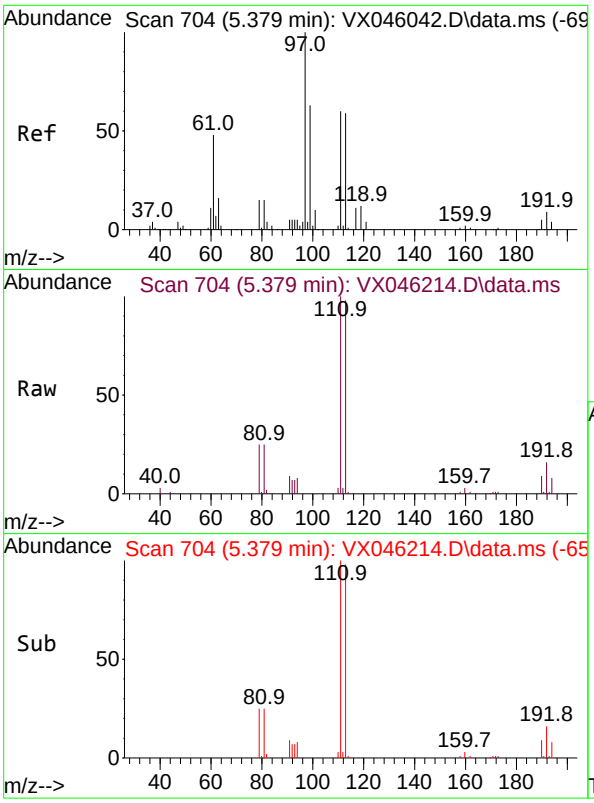


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Tgt Ion:114 Resp: 121001

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	49.2
88	16.9	0.0	33.6



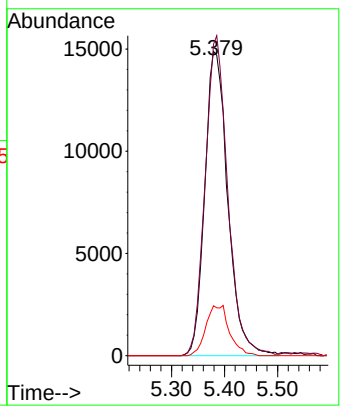


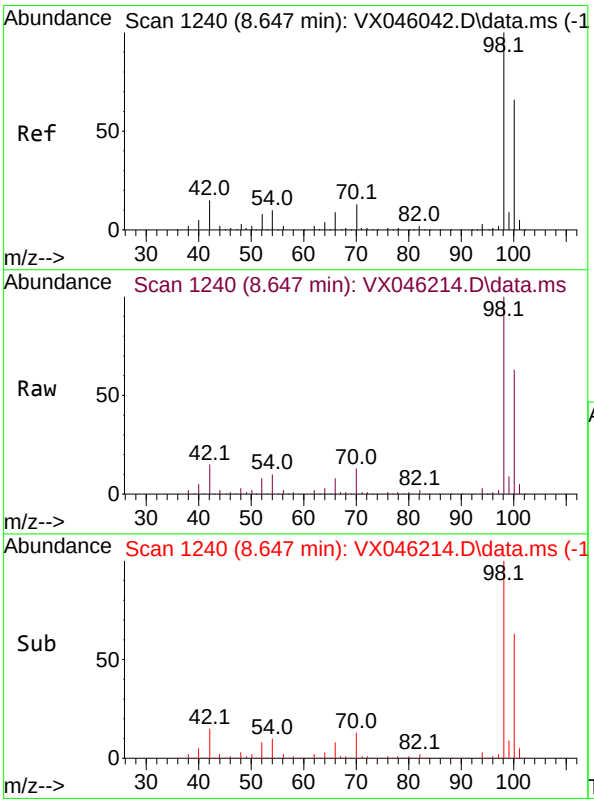
#35
Dibromofluoromethane
Concen: 51.648 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

Tgt Ion:113 Resp: 45003

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.1	124.7
192	16.8	13.3	19.9

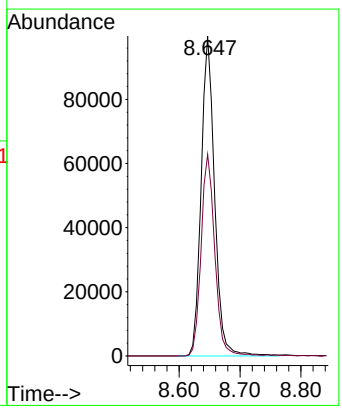


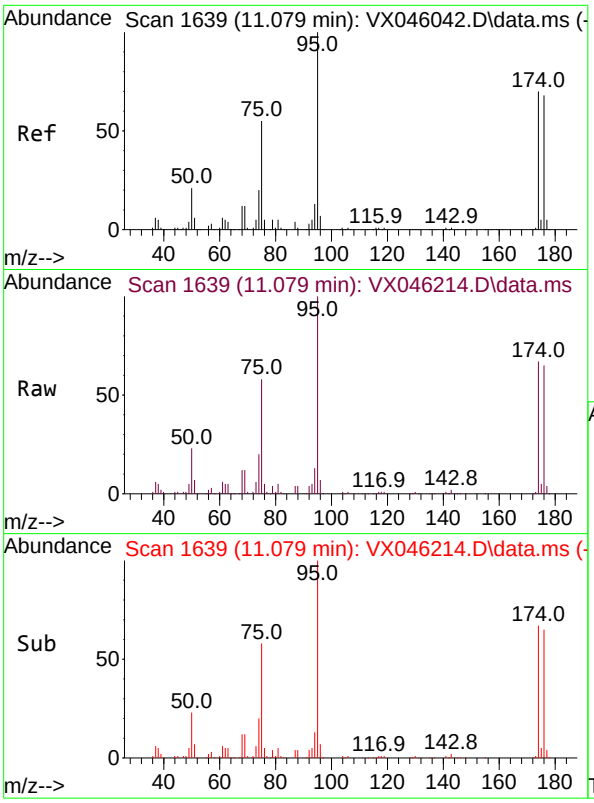


#50
Toluene-d8
Concen: 50.799 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Tgt Ion: 98 Resp: 153201

Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.5	80.3



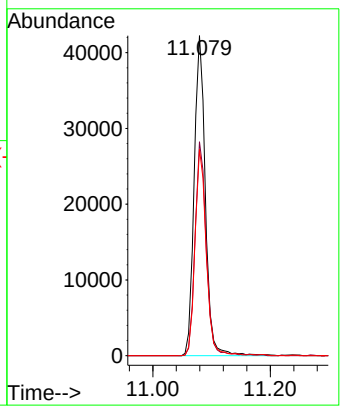


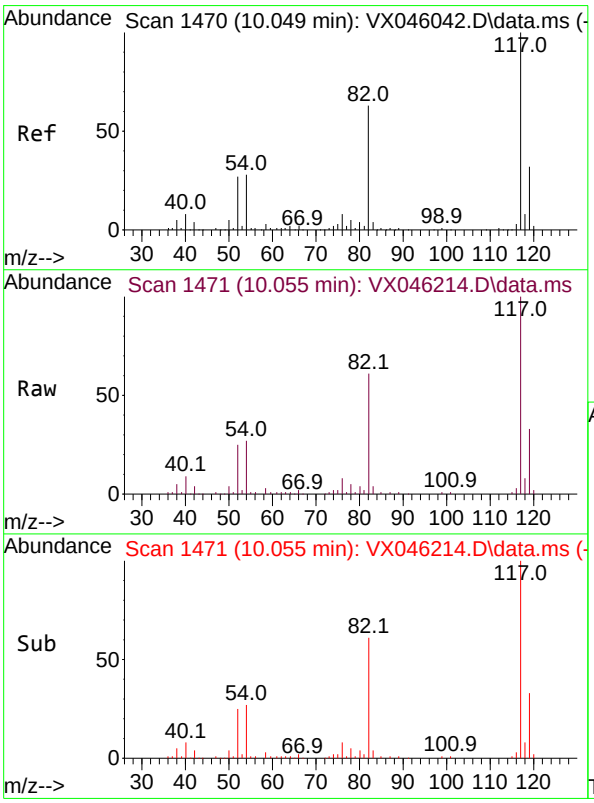
#62
4-Bromofluorobenzene
Concen: 48.380 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

Tgt Ion: 95 Resp: 55967

Ion	Ratio	Lower	Upper
95	100		
174	66.8	0.0	135.8
176	64.4	0.0	131.4

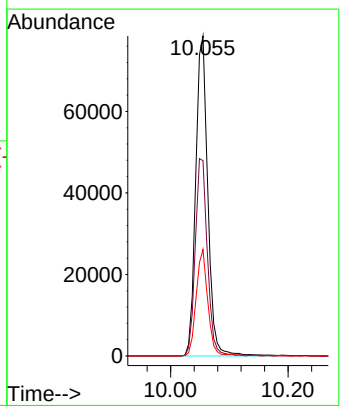


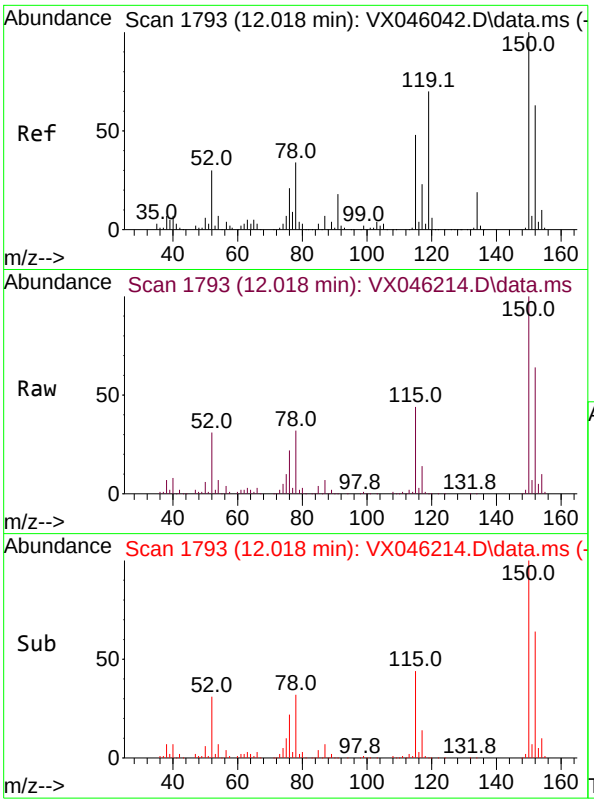


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Tgt Ion:117 Resp: 112446

Ion	Ratio	Lower	Upper
117	100		
82	61.1	50.6	76.0
119	33.3	25.8	38.6



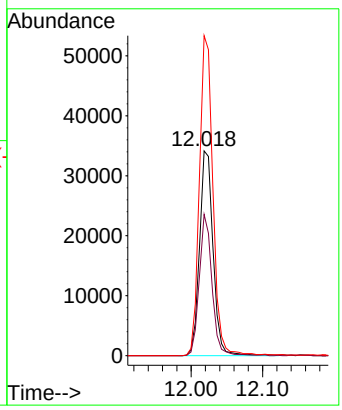


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046214.D
Acq: 15 May 2025 15:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

Tgt Ion:152 Resp: 44995

Ion	Ratio	Lower	Upper
152	100		
115	64.6	46.9	140.7
150	155.4	0.0	351.0



Sample Results: **VX046214.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046214.D
Acq On : 15 May 2025 15:21
Operator : JC/MD
Sample : Q2050-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

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: VX046214.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	rBV	32229	31669	7.39%	1.386%
2	1.264	23	29	34	rVV3	4609	8048	1.88%	0.352%
3	1.368	41	46	50	rVB2	9825	14665	3.42%	0.642%
4	1.605	71	85	88	rVB5	5276	16068	3.75%	0.703%
5	5.385	693	705	722	rBV3	50687	154582	36.06%	6.764%
6	5.550	722	732	746	rVV2	70839	203880	47.56%	8.921%
7	5.952	789	798	811	rBV	59166	161031	37.56%	7.046%
8	6.757	921	930	945	rBV	124011	308904	72.05%	13.516%
9	8.647	1234	1240	1260	rBV	274105	428719	100.00%	18.759%
10	10.055	1465	1471	1483	rBV	263938	380896	88.85%	16.666%
11	11.079	1634	1639	1654	rBV	210282	273848	63.88%	11.982%
12	12.018	1788	1793	1805	rBV	237088	303104	70.70%	13.263%

Sum of corrected areas: 2285414

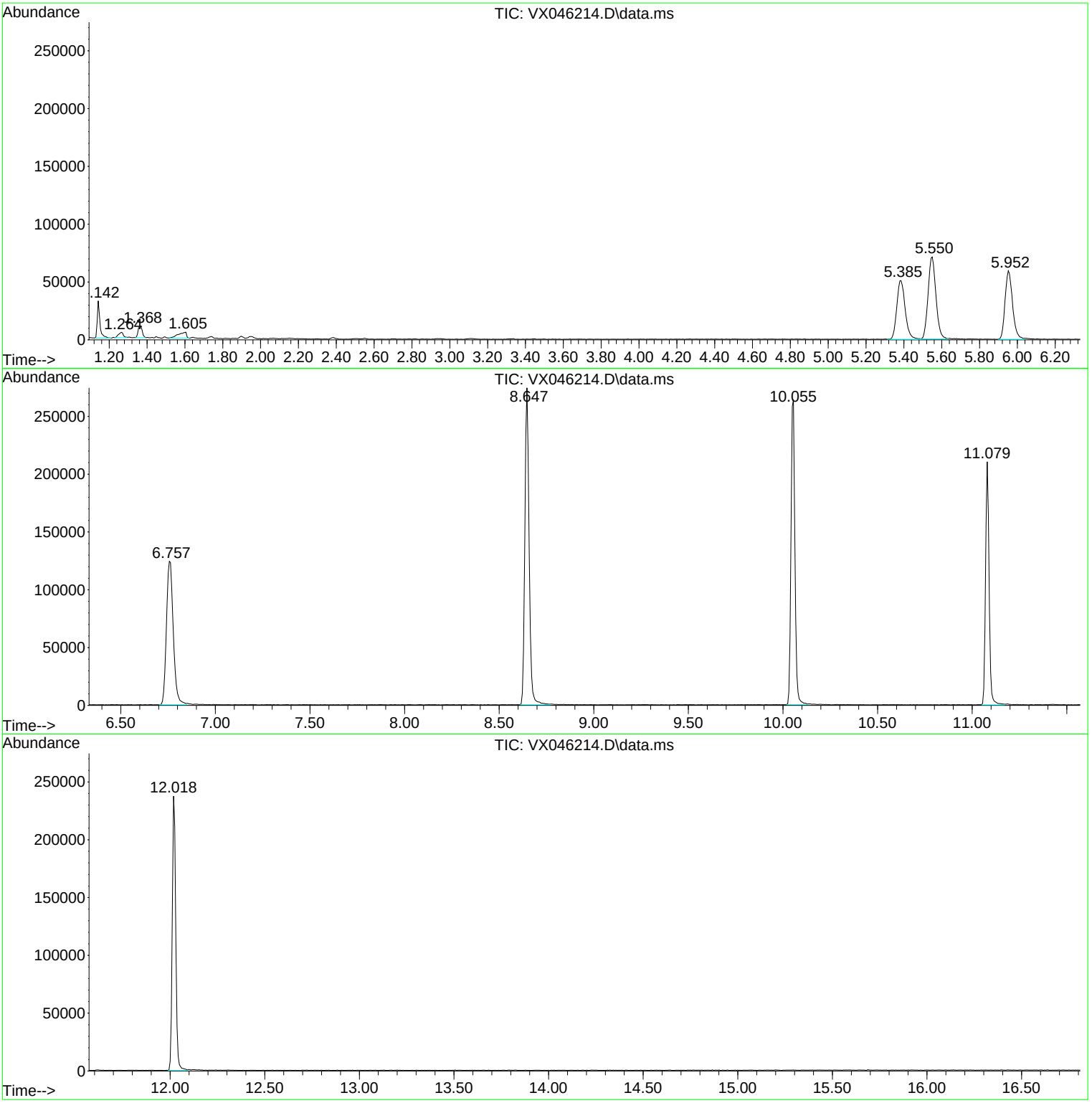
Sample Results: **VX046214.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046214.D
Acq On : 15 May 2025 15:21
Operator : JC/MD
Sample : Q2050-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

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



Library Search Compound Report

Sample Results: **VX046214.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046214.D
Acq On : 15 May 2025 15:21
Operator : JC/MD
Sample : Q2050-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

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\VX051525\
Data File : VX046214.D
Acq On : 15 May 2025 15:21
Operator : JC/MD
Sample : Q2050-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-220-222

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-DUP-20250514	SDG No.:	Q2050
Lab Sample ID:	Q2050-07	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
VX046215.D	1		05/15/25 15:44	VX051525

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	2.80	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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

Raw Data: **VX046215.D**

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-DUP-20250514	SDG No.:	Q2050
Lab Sample ID:	Q2050-07	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
VX046215.D	1		05/15/25 15:44	VX051525

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	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	61100	5.544				
540-36-3	1,4-Difluorobenzene	122000	6.757				
3114-55-4	Chlorobenzene-d5	117000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046215.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-DUP-20250514	SDG No.:	Q2050
Lab Sample ID:	Q2050-07	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
VX046215.D	1		05/15/25 15:44	VX051525

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\VX051525\
Data File : VX046215.D
Acq On : 15 May 2025 15:44
Operator : JC/MD
Sample : Q2050-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

Quant Time: May 16 01:07:16 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

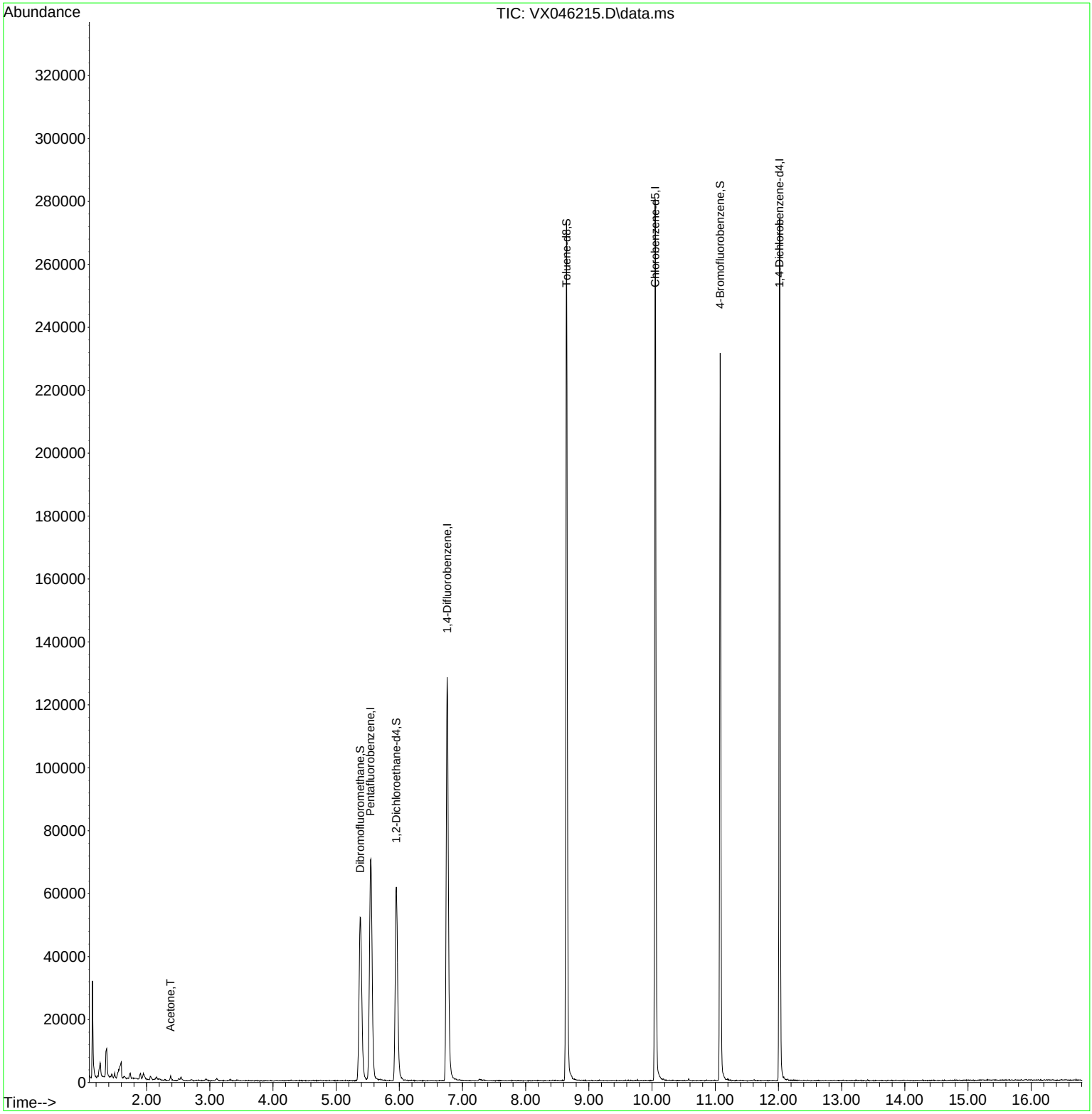
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	61073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122275	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63331	55.622	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.240%			
35) Dibromofluoromethane	5.379	113	45823	52.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.080%			
50) Toluene-d8	8.647	98	154226	50.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	60054	51.372	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.740%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1288	2.821	ug/l	92

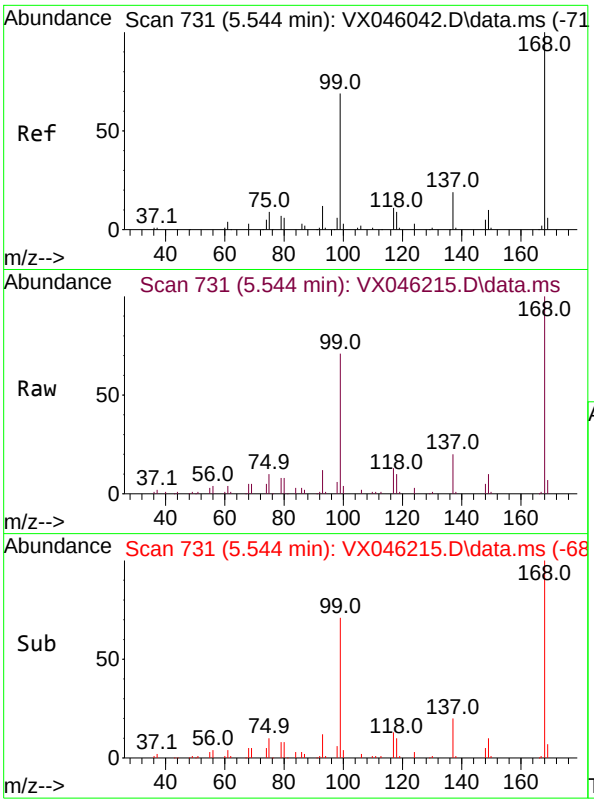
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046215.D
Acq On : 15 May 2025 15:44
Operator : JC/MD
Sample : Q2050-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

Quant Time: May 16 01:07:16 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



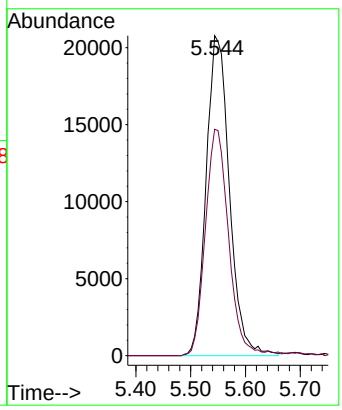


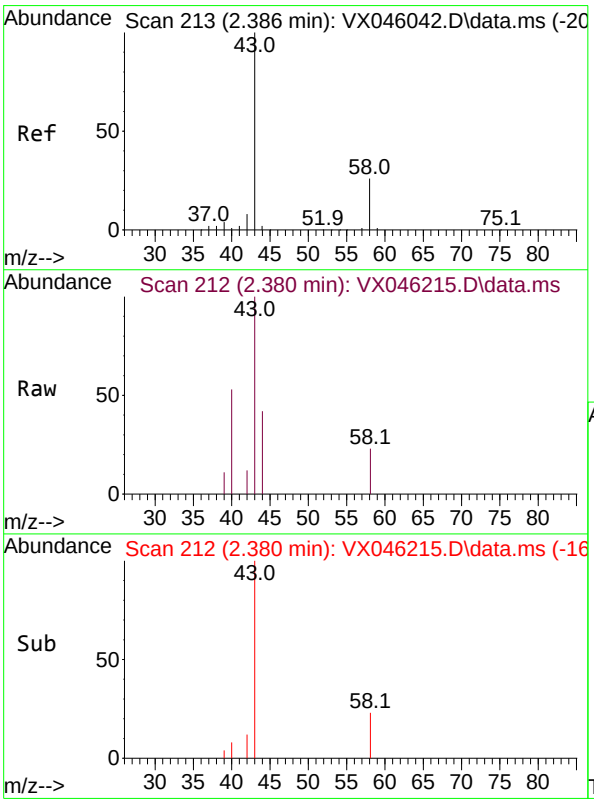
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

Tgt Ion:168 Resp: 61073

Ion	Ratio	Lower	Upper
168	100		
99	70.8	54.9	82.3

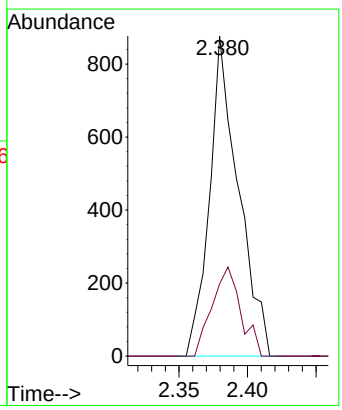


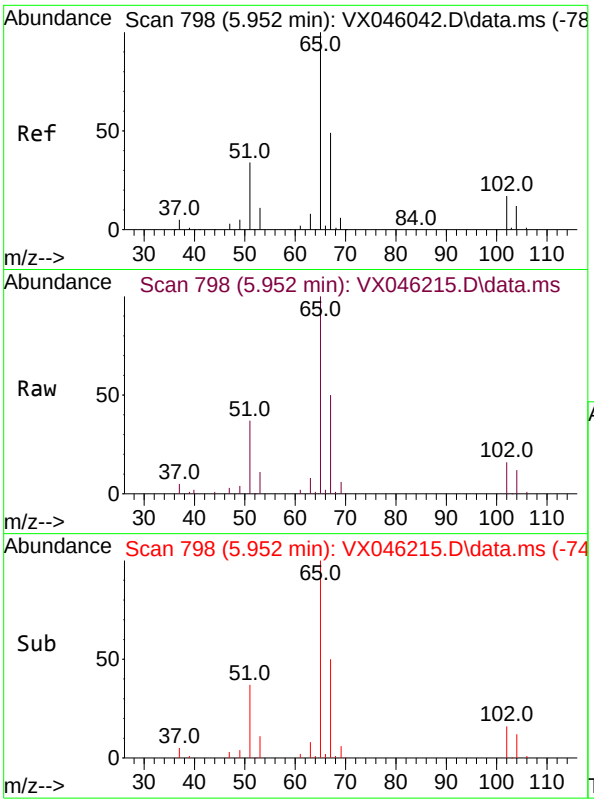


#16
Acetone
Concen: 2.821 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Tgt Ion: 43 Resp: 1288

Ion	Ratio	Lower	Upper
43	100		
58	22.6	21.2	31.8



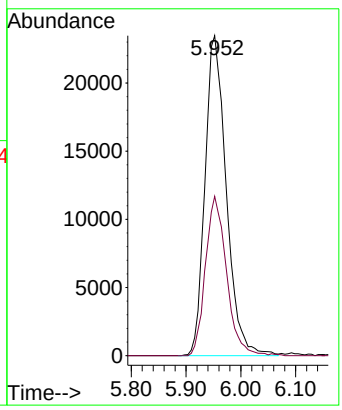


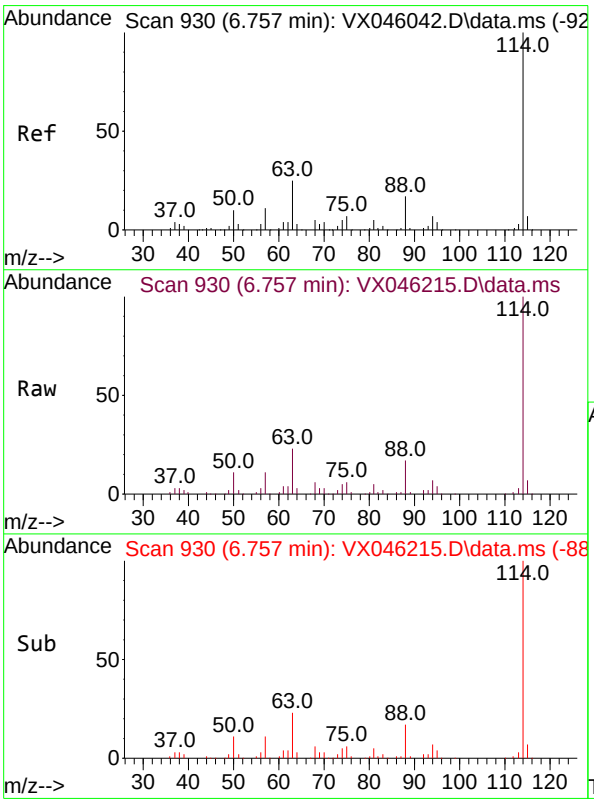
#33
1,2-Dichloroethane-d4
Concen: 55.622 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

Tgt Ion: 65 Resp: 63331

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0

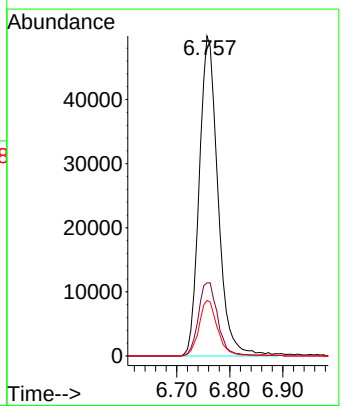


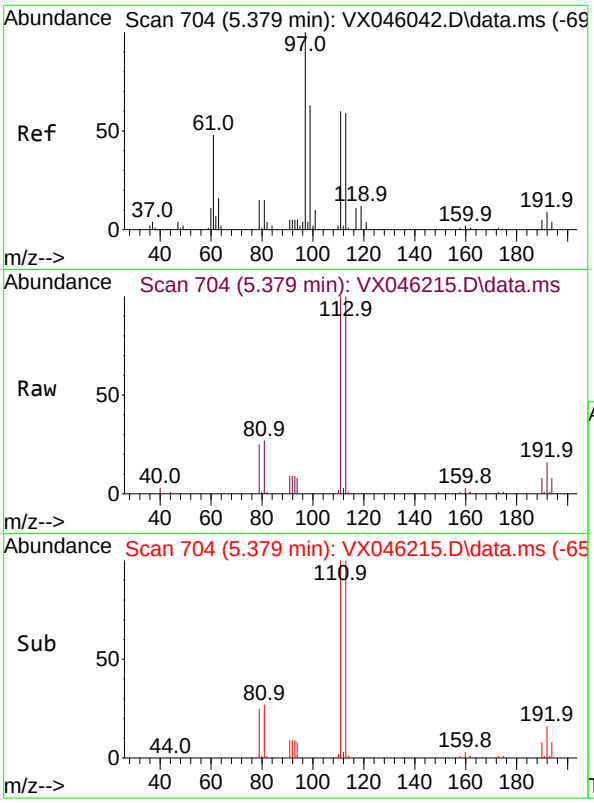


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Tgt Ion:114 Resp: 122275

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	49.2
88	17.3	0.0	33.6



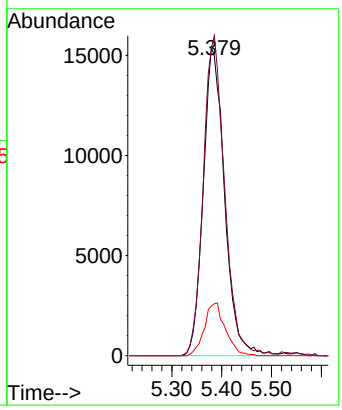


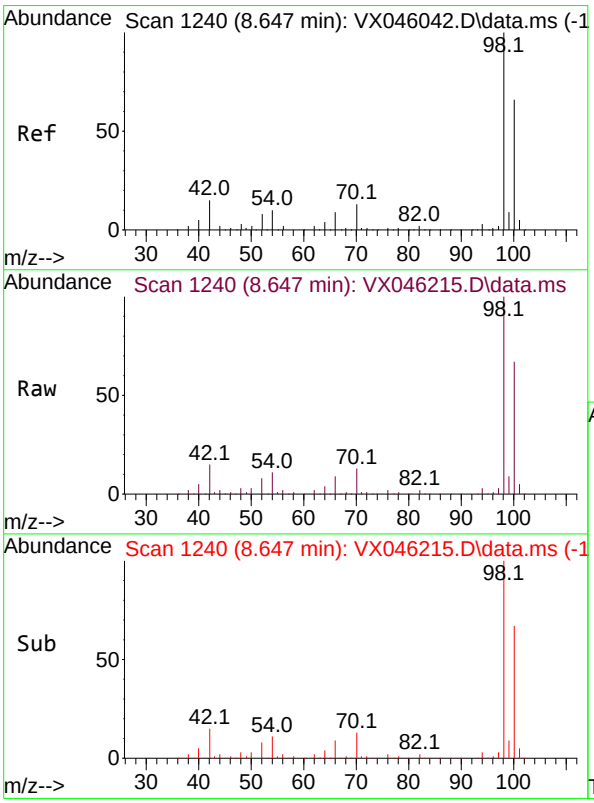
#35
Dibromofluoromethane
Concen: 52.041 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

Tgt Ion:113 Resp: 45823

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	16.8	13.3	19.9

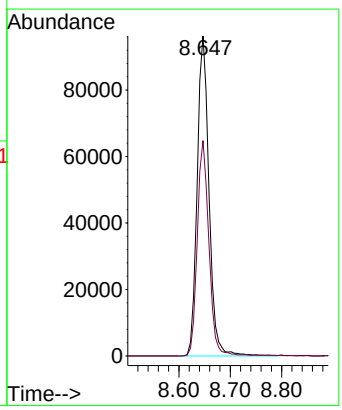


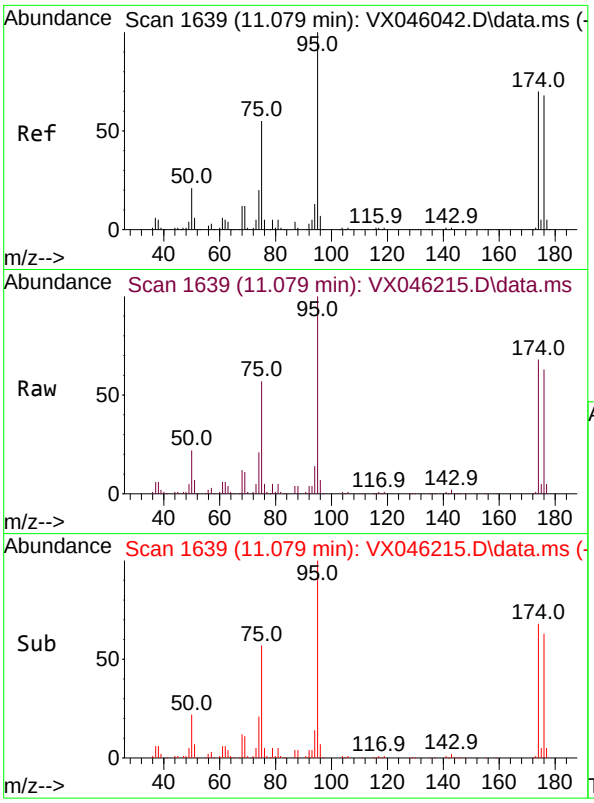


#50
Toluene-d8
Concen: 50.606 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Tgt Ion: 98 Resp: 154226

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.5	80.3



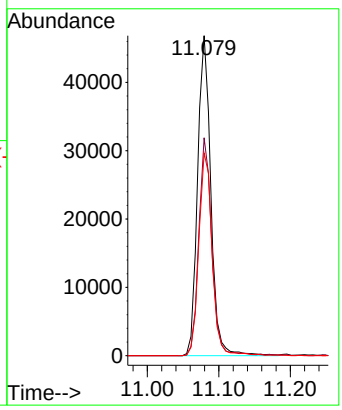


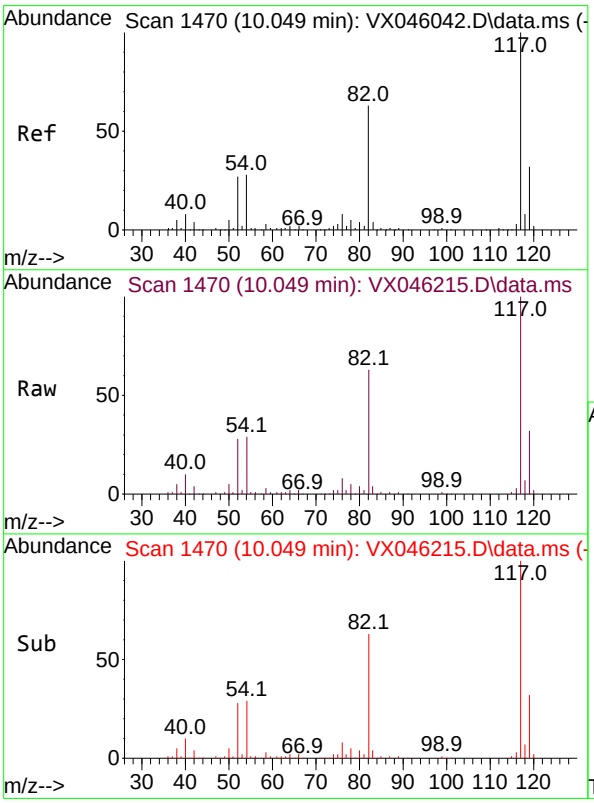
#62
4-Bromofluorobenzene
Concen: 51.372 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

Tgt Ion: 95 Resp: 60054

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	63.9	0.0	131.4

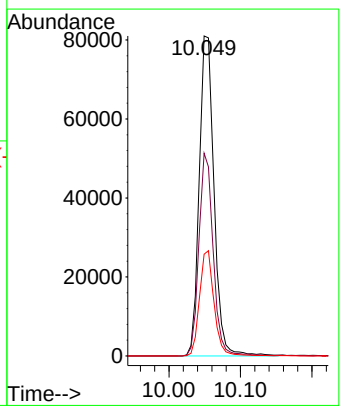


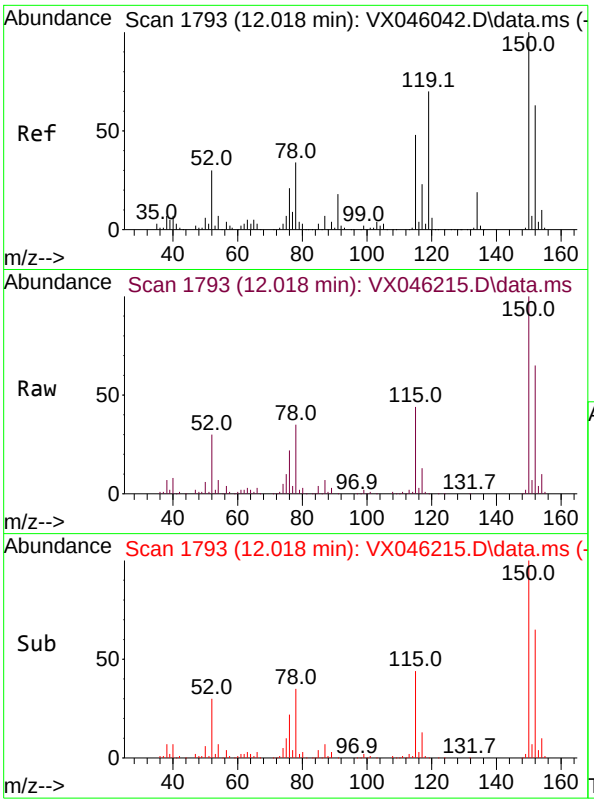


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Tgt Ion:117 Resp: 116802

Ion	Ratio	Lower	Upper
117	100		
82	63.3	50.6	76.0
119	31.8	25.8	38.6



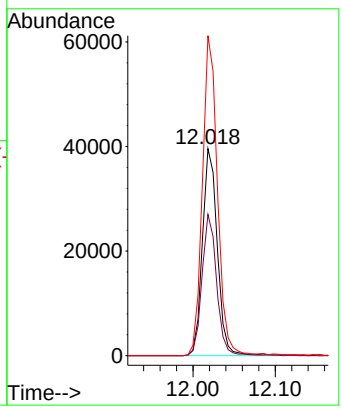


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046215.D
Acq: 15 May 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

Tgt Ion:152 Resp: 50006

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	156.5	0.0	351.0



Sample Results: **VX046215.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046215.D
Acq On : 15 May 2025 15:44
Operator : JC/MD
Sample : Q2050-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

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: VX046215.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	rBV	30840	30389	6.99%	1.285%
2	1.264	24	29	34	rBV3	4370	7386	1.70%	0.312%
3	1.368	41	46	54	rVB3	9108	15662	3.60%	0.662%
4	1.599	78	84	87	rVB4	5132	9445	2.17%	0.399%
5	5.379	694	704	721	rBV2	52066	156596	36.00%	6.623%
6	5.550	721	732	745	rVV	70093	202890	46.64%	8.581%
7	5.952	790	798	811	rBV	61474	164374	37.79%	6.952%
8	6.757	922	930	946	rBV	128302	311294	71.56%	13.165%
9	8.647	1234	1240	1256	rBV	272970	434996	100.00%	18.397%
10	10.049	1465	1470	1486	rBV	280193	396608	91.18%	16.773%
11	11.079	1634	1639	1653	rBV	231150	293773	67.53%	12.424%
12	12.018	1788	1793	1803	rBV	273939	341126	78.42%	14.427%

Sum of corrected areas: 2364539

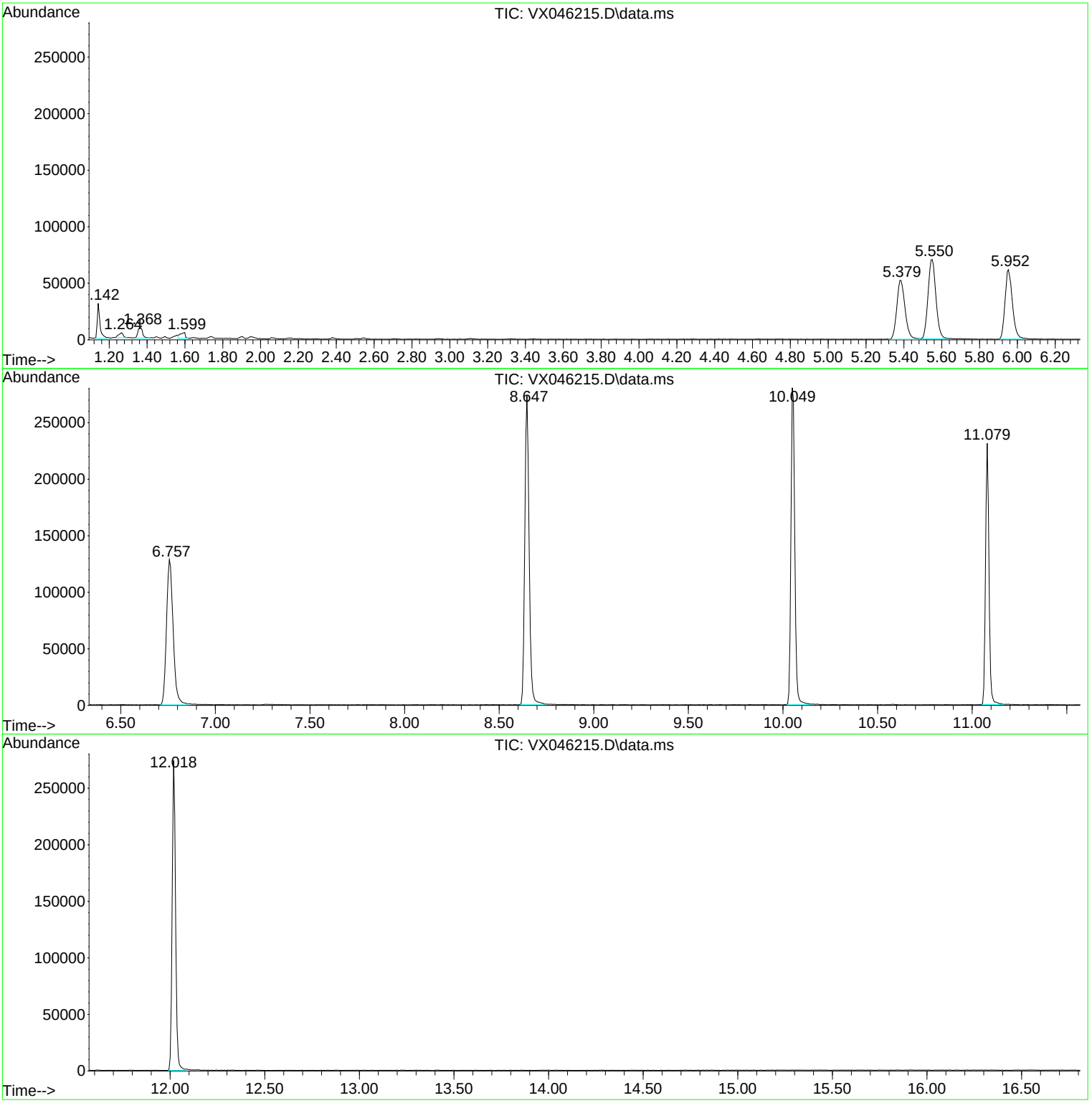
Sample Results: **VX046215.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046215.D
Acq On : 15 May 2025 15:44
Operator : JC/MD
Sample : Q2050-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

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



Library Search Compound Report

Sample Results: **VX046215.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046215.D
Acq On : 15 May 2025 15:44
Operator : JC/MD
Sample : Q2050-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

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\VX051525\
Data File : VX046215.D
Acq On : 15 May 2025 15:44
Operator : JC/MD
Sample : Q2050-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-DUP-20250514

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

Raw Data: **VX046210.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-EB-20250514	SDG No.:	Q2050
Lab Sample ID:	Q2050-08	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
VX046210.D	1		05/15/25 13:47	VX051525

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	4.30	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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

Raw Data: **VX046210.D**

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-EB-20250514	SDG No.:	Q2050
Lab Sample ID:	Q2050-08	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
VX046210.D	1		05/15/25 13:47	VX051525

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	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	61600	5.544				
540-36-3	1,4-Difluorobenzene	122000	6.757				
3114-55-4	Chlorobenzene-d5	116000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50300	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046210.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-EB-20250514	SDG No.:	Q2050
Lab Sample ID:	Q2050-08	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
VX046210.D	1		05/15/25 13:47	VX051525

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\VX051525\
Data File : VX046210.D
Acq On : 15 May 2025 13:47
Operator : JC/MD
Sample : Q2050-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

Quant Time: May 16 01:05:34 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

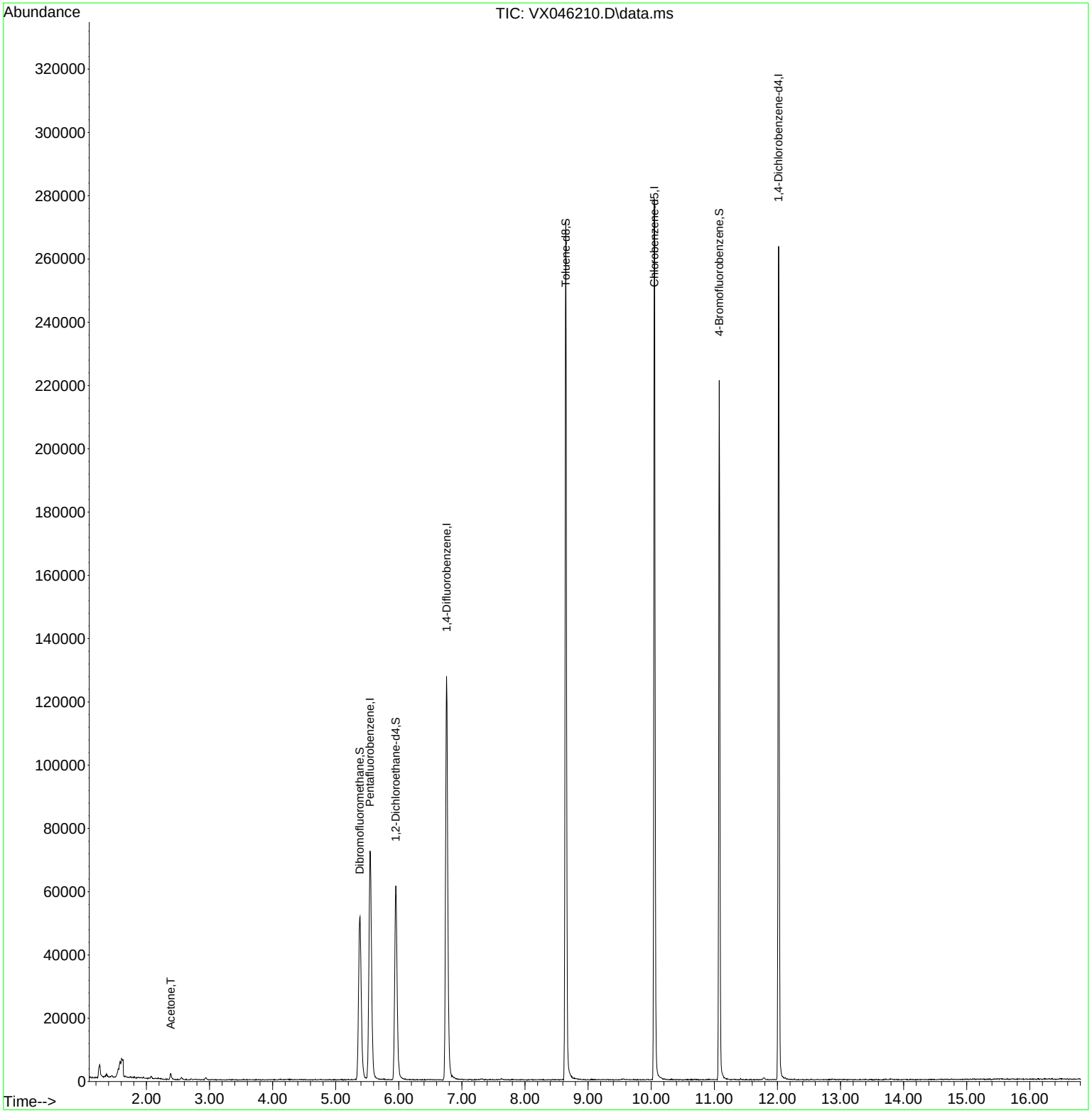
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	61610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121862	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62182	54.137	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.280%			
35) Dibromofluoromethane	5.379	113	45490	51.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	8.647	98	153506	50.541	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.079	95	60489	51.920	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.840%			
Target Compounds						Qvalue
16) Acetone	2.386	43	2002	4.347	ug/l	100

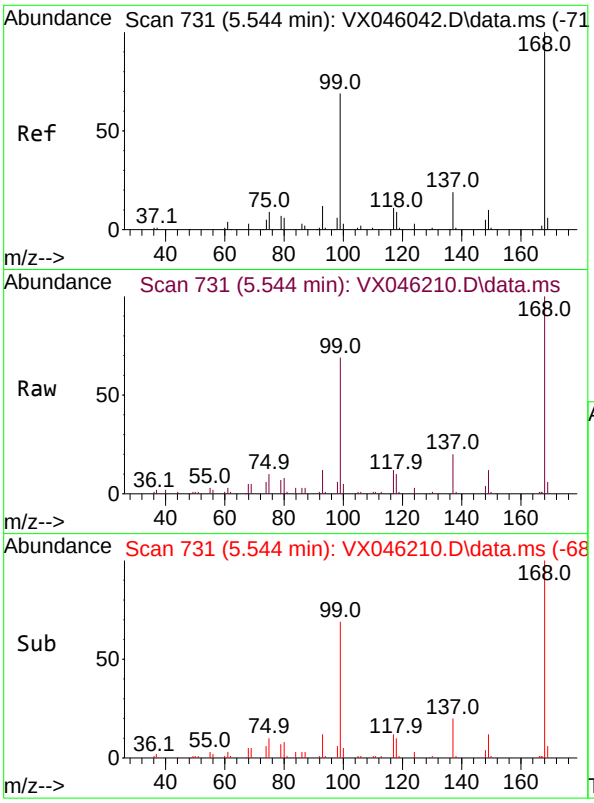
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046210.D
Acq On : 15 May 2025 13:47
Operator : JC/MD
Sample : Q2050-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

Quant Time: May 16 01:05:34 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



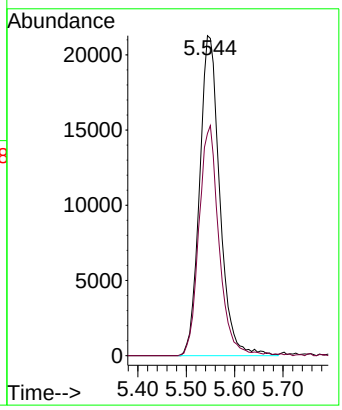


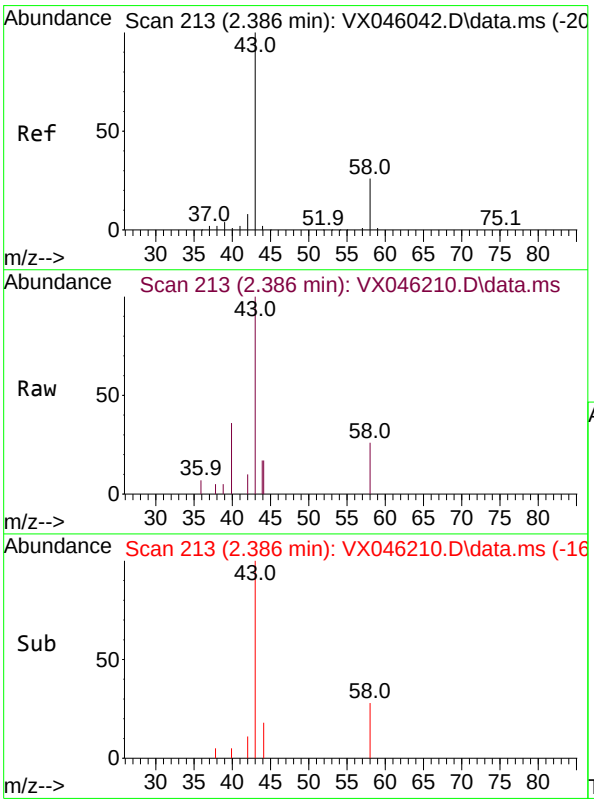
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

Tgt Ion:168 Resp: 61610

Ion	Ratio	Lower	Upper
168	100		
99	69.5	54.9	82.3

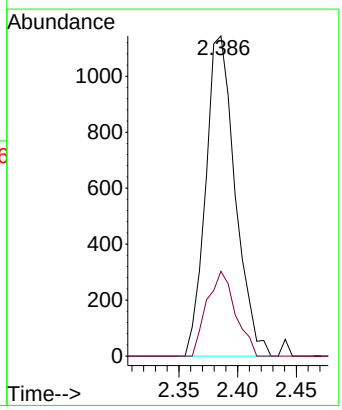


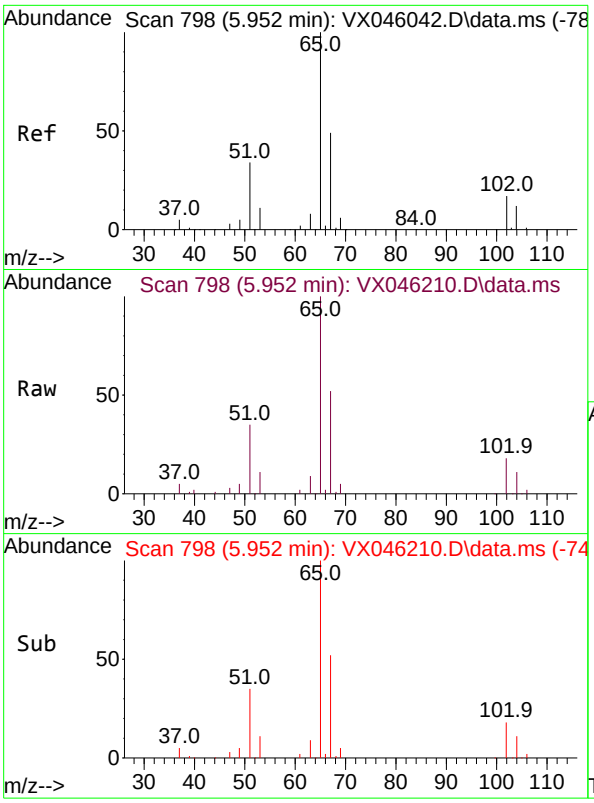


#16
Acetone
Concen: 4.347 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Tgt Ion: 43 Resp: 2002

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8



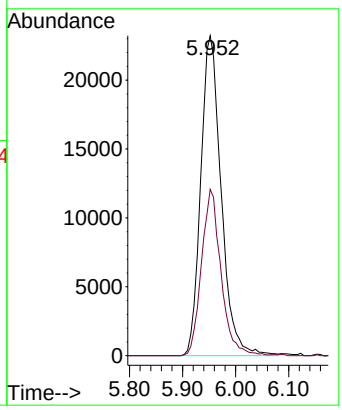


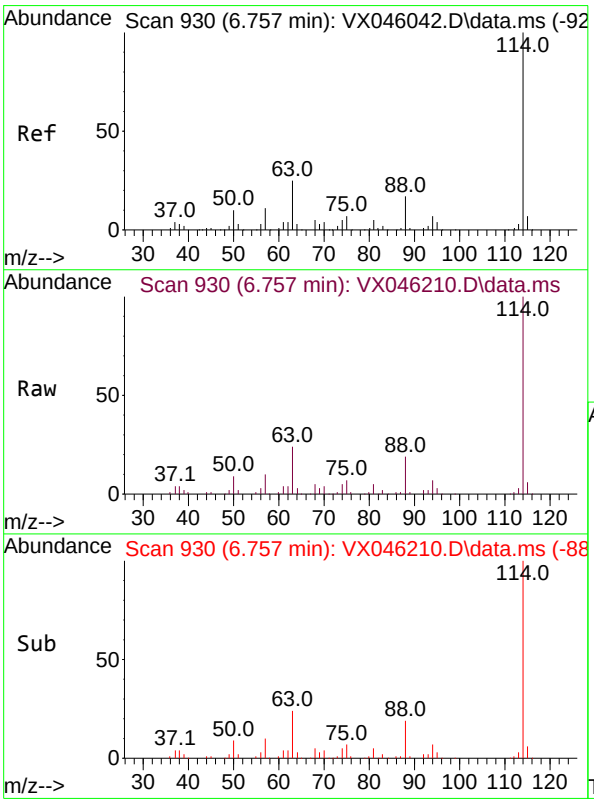
#33
1,2-Dichloroethane-d4
Concen: 54.137 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

Tgt Ion: 65 Resp: 62182

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

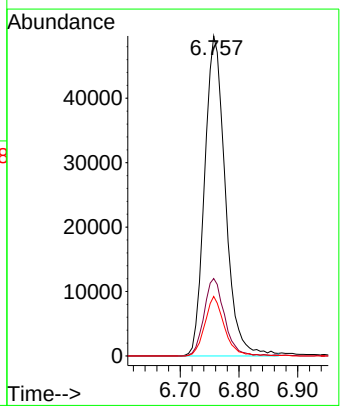


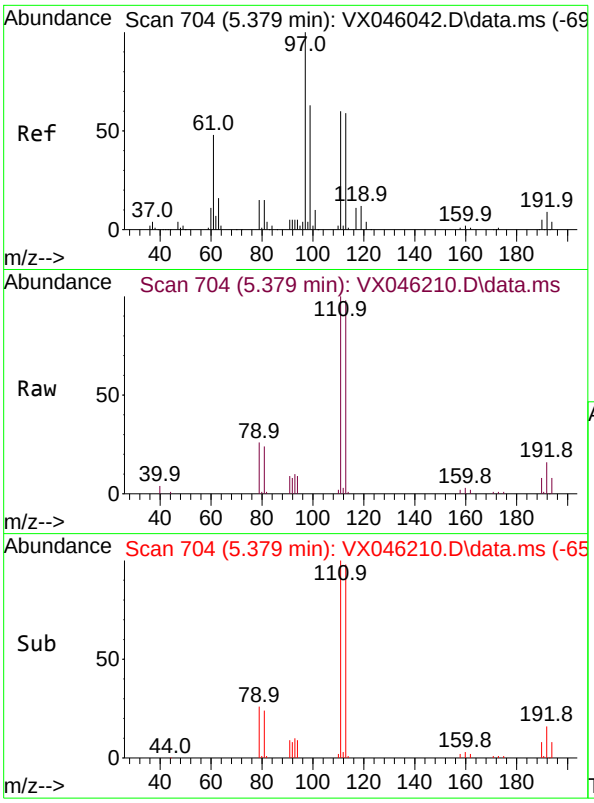


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Tgt Ion:114 Resp: 121862

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	18.6	0.0	33.6



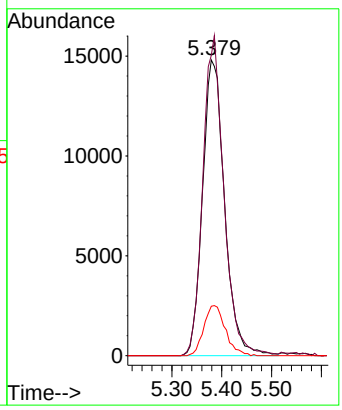


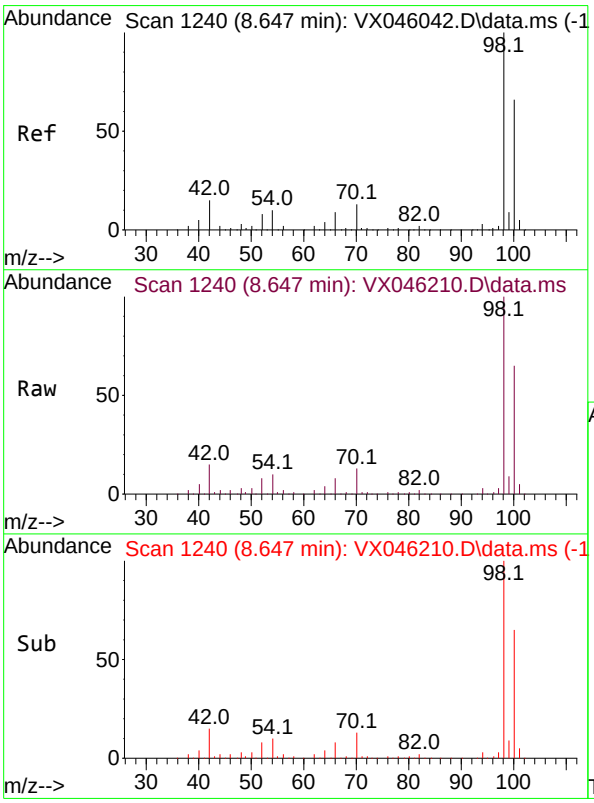
#35
Dibromofluoromethane
Concen: 51.838 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

Tgt Ion:113 Resp: 45490

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.1	124.7
192	16.6	13.3	19.9

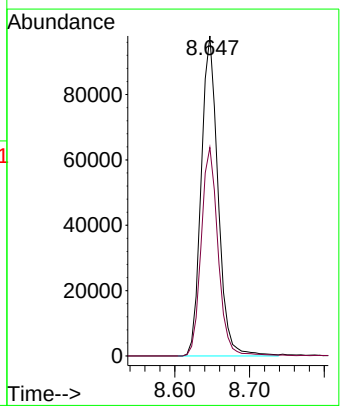


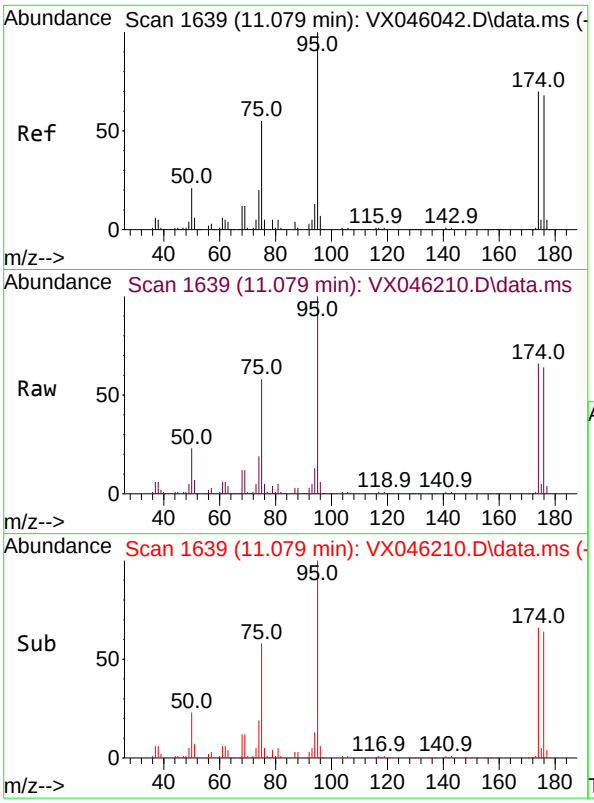


#50
Toluene-d8
Concen: 50.541 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Tgt Ion: 98 Resp: 153506

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.5	80.3



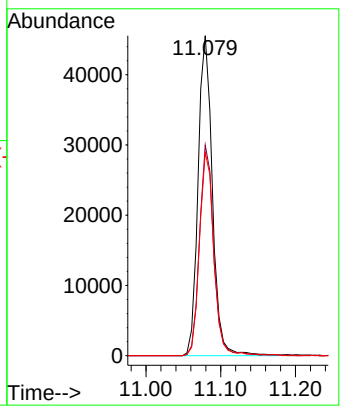


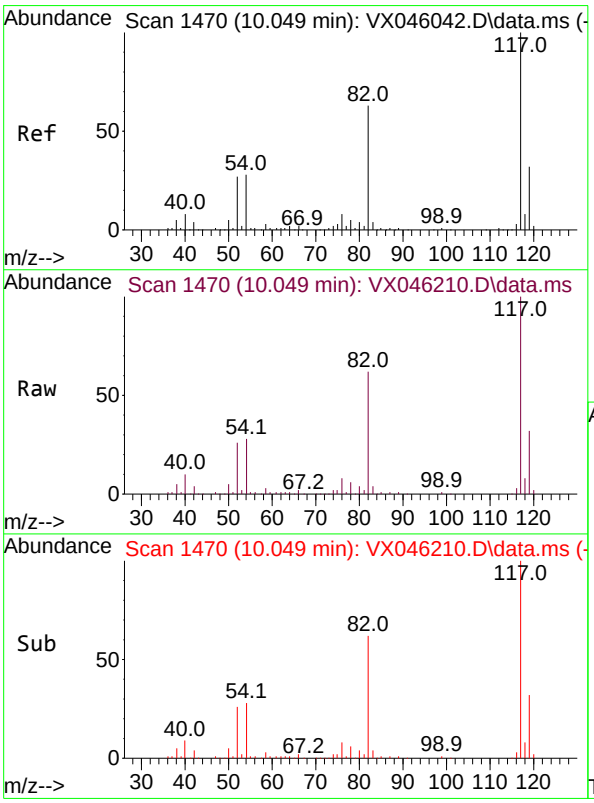
#62
4-Bromofluorobenzene
Concen: 51.920 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

Tgt Ion: 95 Resp: 60489

Ion	Ratio	Lower	Upper
95	100		
174	65.7	0.0	135.8
176	63.7	0.0	131.4

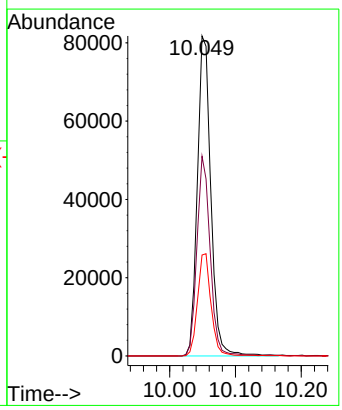


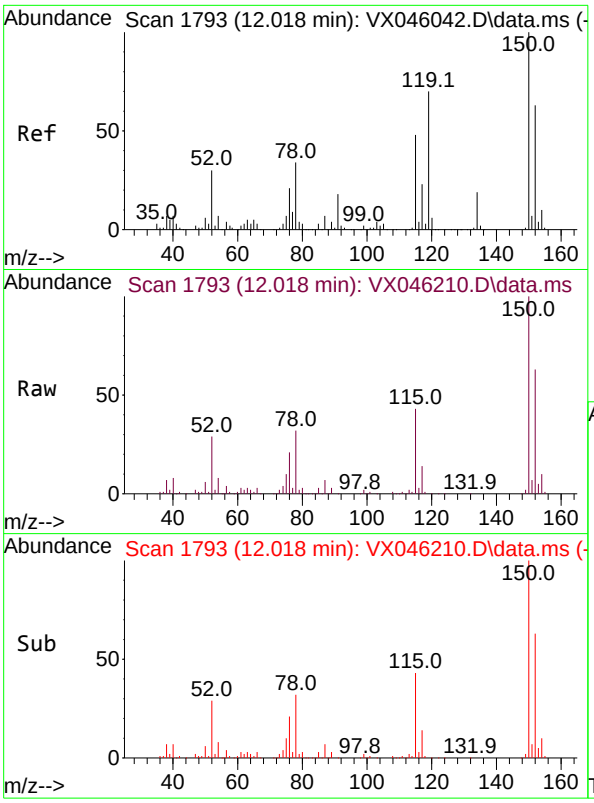


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Tgt Ion:117 Resp: 116490

Ion	Ratio	Lower	Upper
117	100		
82	62.4	50.6	76.0
119	31.6	25.8	38.6



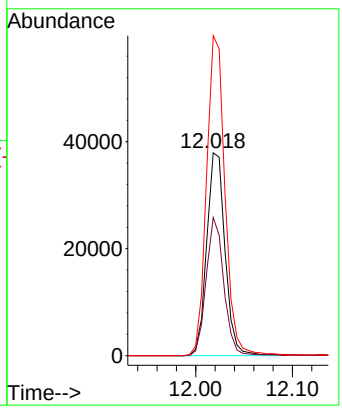


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046210.D
Acq: 15 May 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

Tgt Ion:152 Resp: 50288

Ion	Ratio	Lower	Upper
152	100		
115	65.5	46.9	140.7
150	158.3	0.0	351.0



Sample Results: **VX046210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046210.D
Acq On : 15 May 2025 13:47
Operator : JC/MD
Sample : Q2050-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

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: VX046210.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.258	23	28	38	rBV3	4161	8945	2.06%	0.388%
2	1.557	69	77	78	rBV3	2667	4864	1.12%	0.211%
3	5.385	694	705	718	rBV	51529	153530	35.29%	6.653%
4	5.544	722	731	755	rVB	72246	207199	47.62%	8.979%
5	5.952	788	798	815	rBV	61316	162597	37.37%	7.046%
6	6.757	920	930	943	rBV	127677	309677	71.17%	13.420%
7	8.647	1234	1240	1259	rBV	271356	435108	100.00%	18.855%
8	10.049	1465	1470	1485	rBV	278550	393436	90.42%	17.049%
9	11.079	1634	1639	1651	rBV	221163	292202	67.16%	12.662%
10	12.018	1788	1793	1803	rBV	263468	340105	78.17%	14.738%

Sum of corrected areas: 2307663

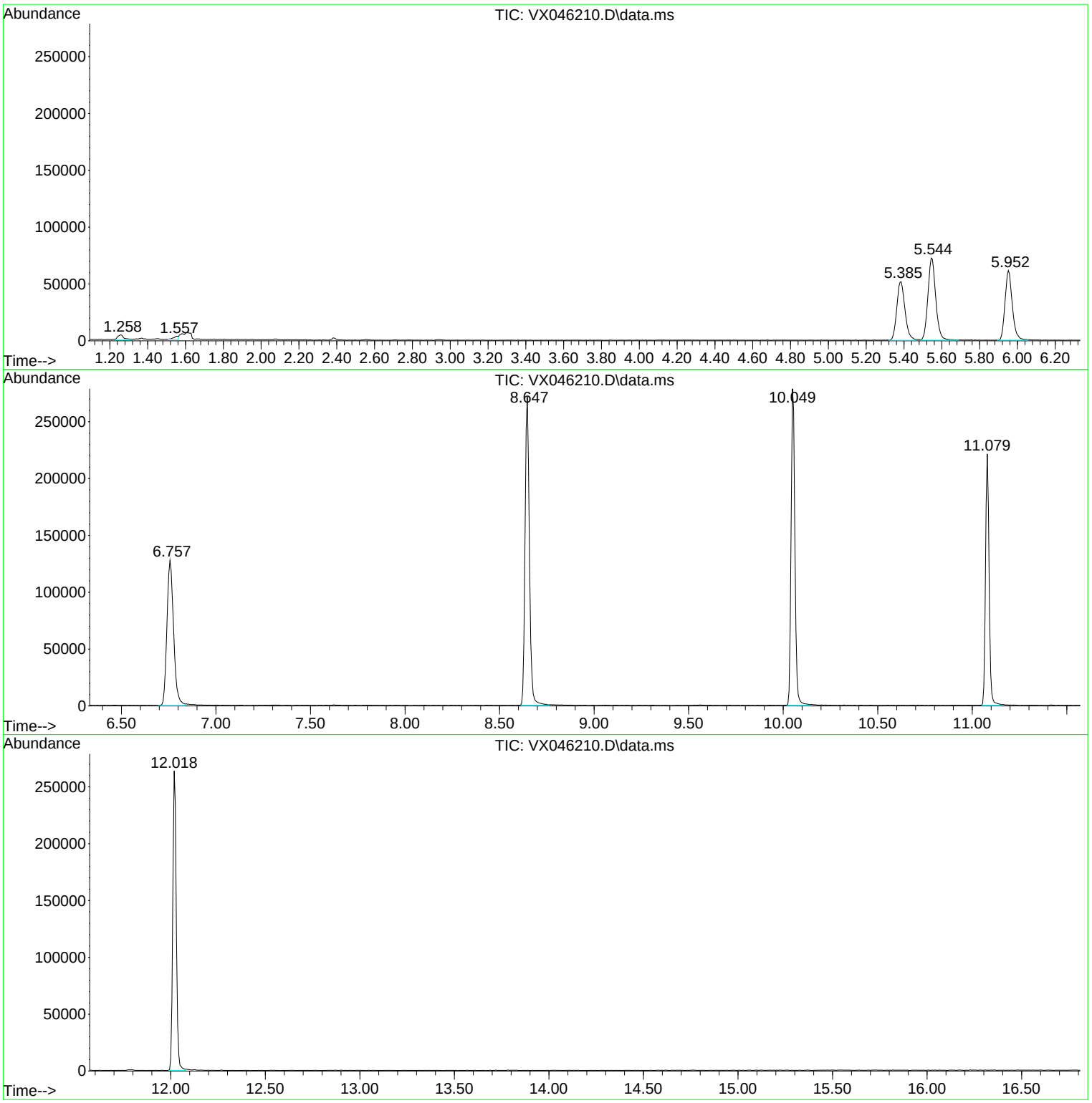
Sample Results: **VX046210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046210.D
Acq On : 15 May 2025 13:47
Operator : JC/MD
Sample : Q2050-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

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



Library Search Compound Report

Sample Results: **VX046210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046210.D
Acq On : 15 May 2025 13:47
Operator : JC/MD
Sample : Q2050-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

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\VX051525\
Data File : VX046210.D
Acq On : 15 May 2025 13:47
Operator : JC/MD
Sample : Q2050-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250514

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

Raw Data: **VX046216.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-240-242	SDG No.:	Q2050
Lab Sample ID:	Q2050-09	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
VX046216.D	1		05/15/25 16:08	VX051525

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	2.90	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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

Raw Data: **VX046216.D**

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-240-242	SDG No.:	Q2050
Lab Sample ID:	Q2050-09	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
VX046216.D	1		05/15/25 16:08	VX051525

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	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	62400	5.55				
540-36-3	1,4-Difluorobenzene	125000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50200	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX046216.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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/14/25
Client Sample ID:	BP-VPB-182-GW-240-242	SDG No.:	Q2050
Lab Sample ID:	Q2050-09	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
VX046216.D	1		05/15/25 16:08	VX051525

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\VX051525\
Data File : VX046216.D
Acq On : 15 May 2025 16:08
Operator : JC/MD
Sample : Q2050-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

Quant Time: May 16 01:07:35 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

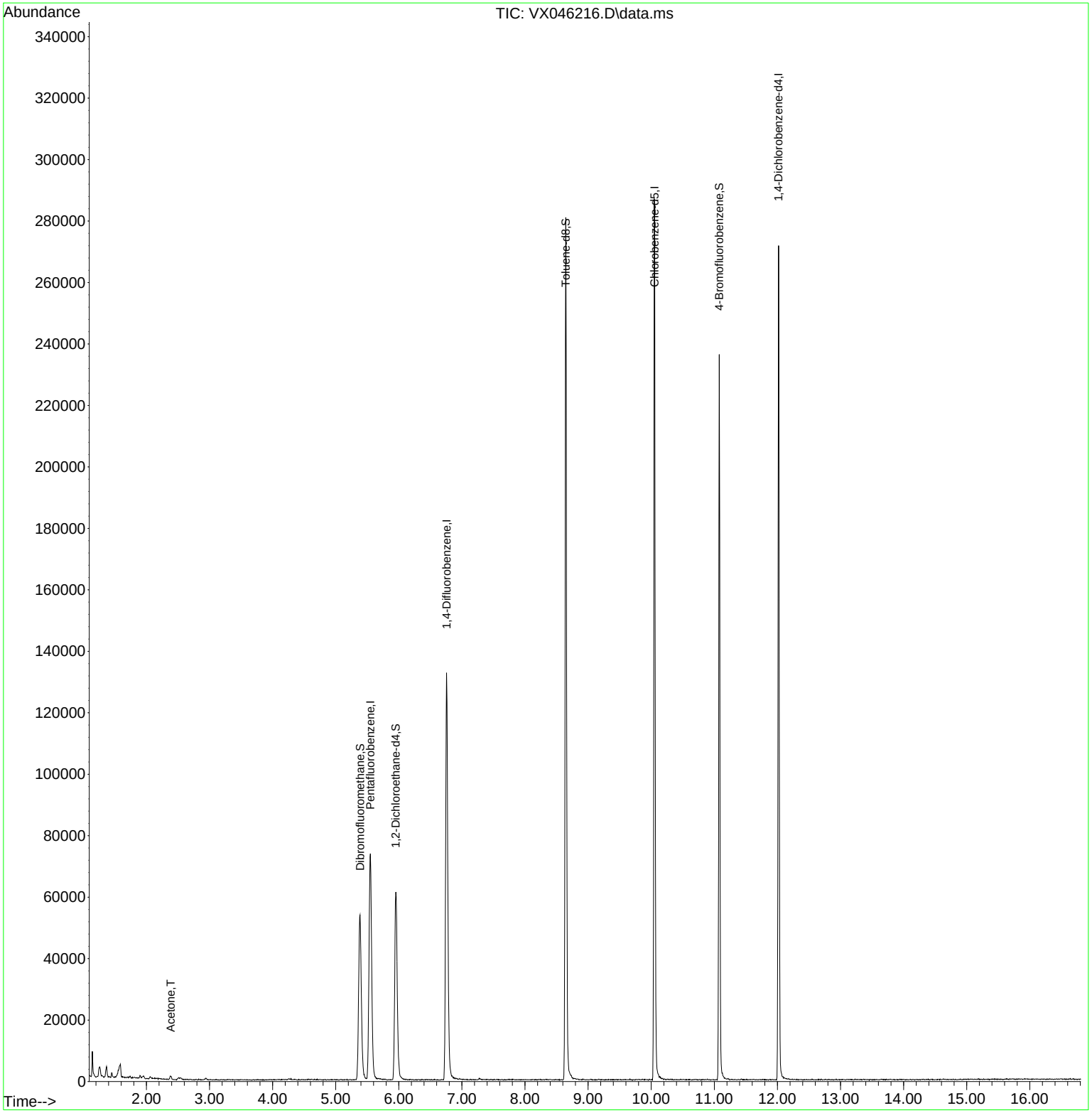
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	62386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64008	55.033	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.060%			
35) Dibromofluoromethane	5.385	113	47047	52.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.300%			
50) Toluene-d8	8.647	98	157987	50.598	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.200%			
62) 4-Bromofluorobenzene	11.079	95	60365	50.400	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.800%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1365	2.927	ug/l #	82

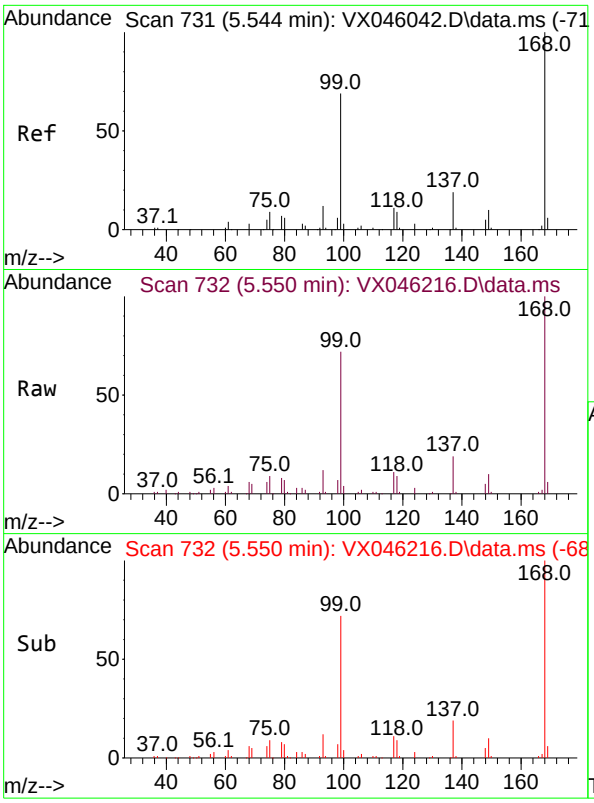
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046216.D
Acq On : 15 May 2025 16:08
Operator : JC/MD
Sample : Q2050-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

Quant Time: May 16 01:07:35 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



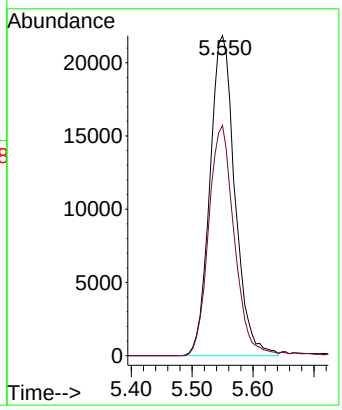


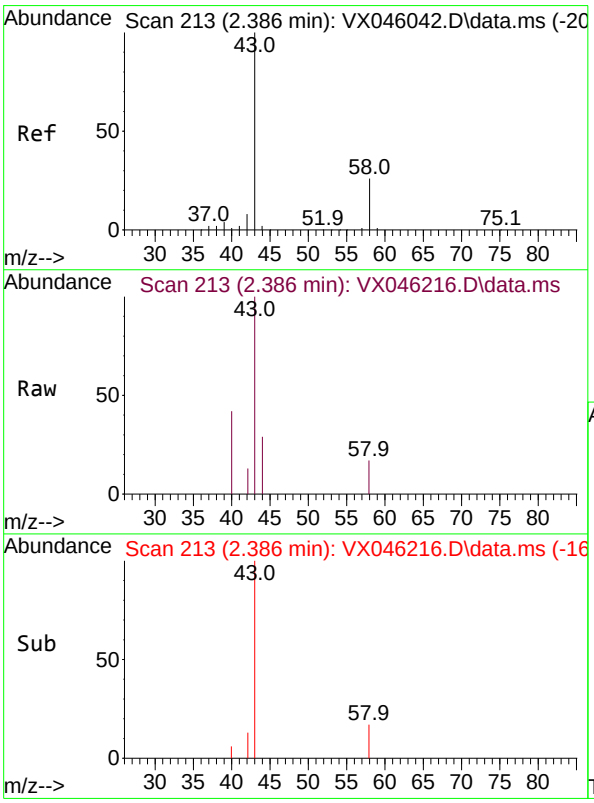
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

Tgt Ion:168 Resp: 62386

Ion	Ratio	Lower	Upper
168	100		
99	72.0	54.9	82.3

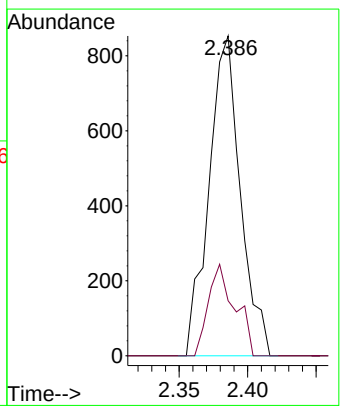


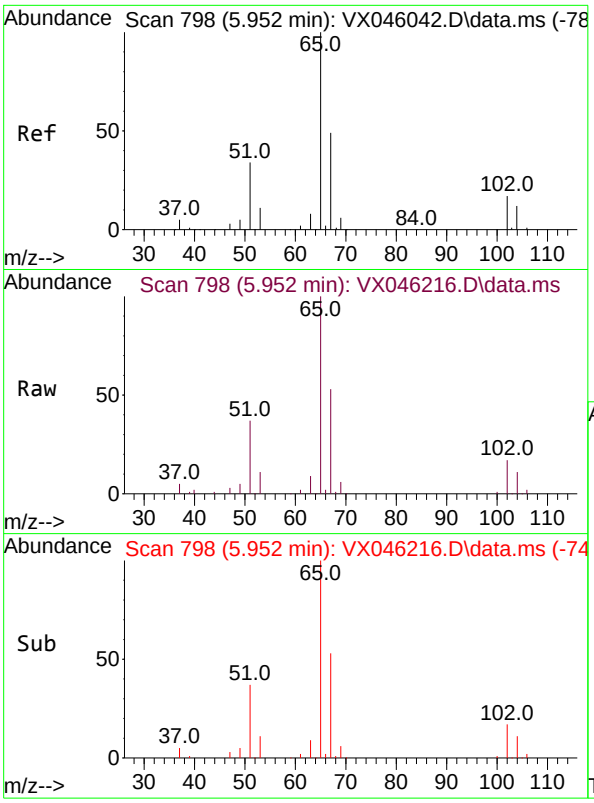


#16
Acetone
Concen: 2.927 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Tgt Ion: 43 Resp: 1365

Ion	Ratio	Lower	Upper
43	100		
58	17.2	21.2	31.8#



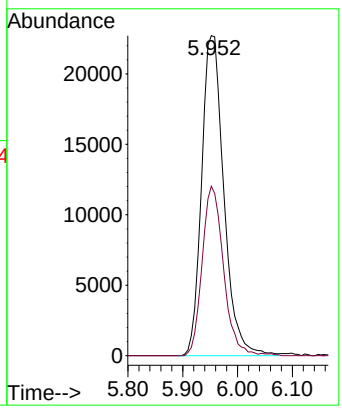


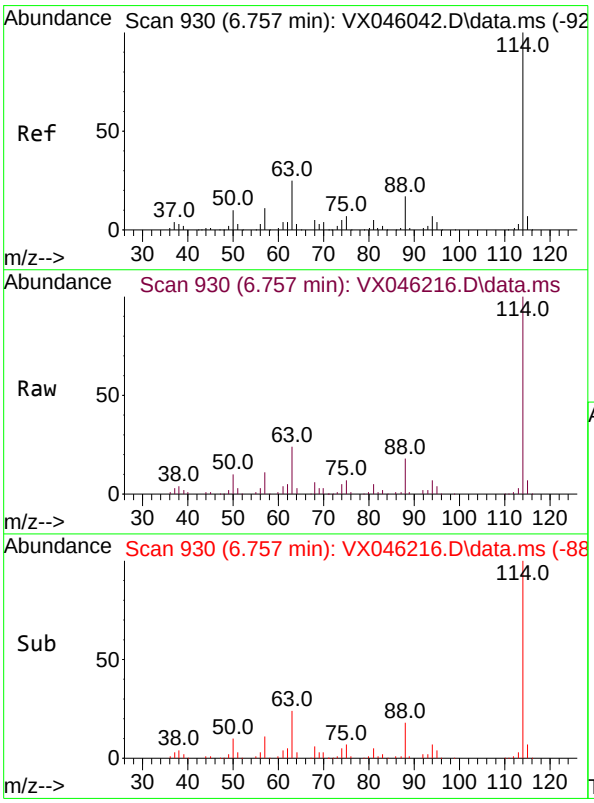
#33
1,2-Dichloroethane-d4
Concen: 55.033 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

Tgt Ion: 65 Resp: 64008

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	99.0

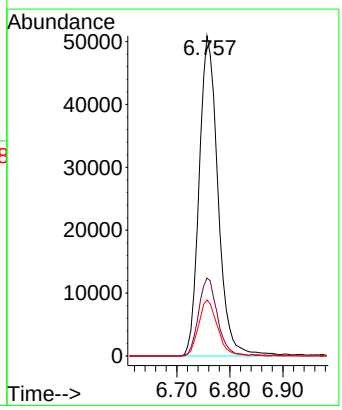


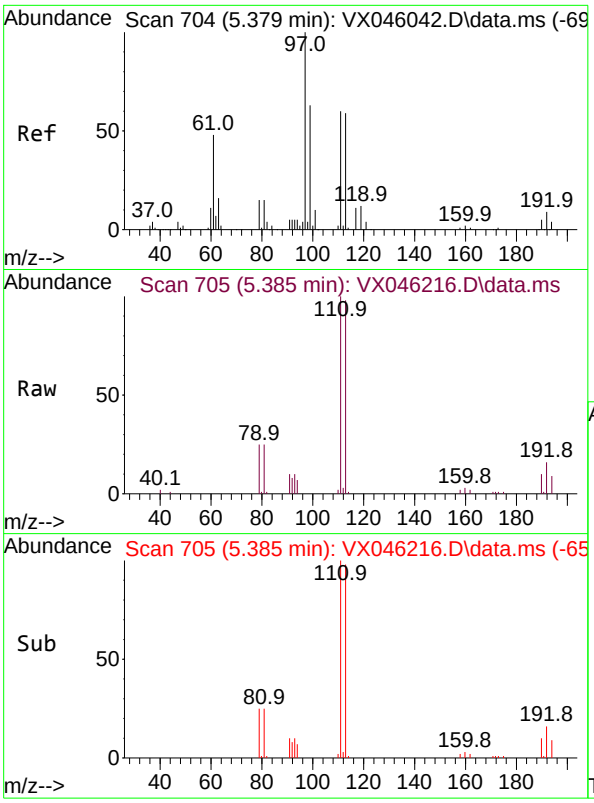


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Tgt Ion:114 Resp: 125278

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	17.5	0.0	33.6



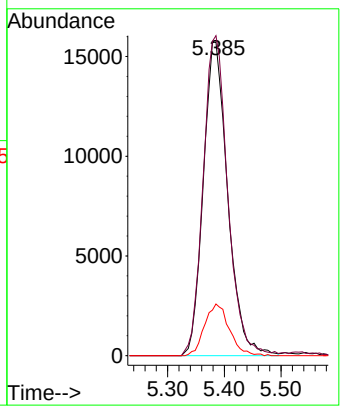


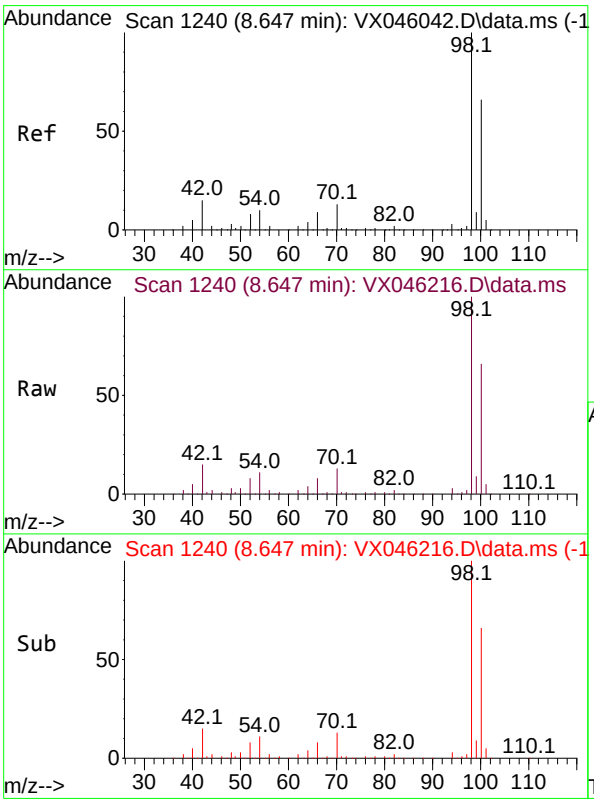
#35
Dibromofluoromethane
Concen: 52.151 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

Tgt Ion:113 Resp: 47047

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.1	124.7
192	16.7	13.3	19.9

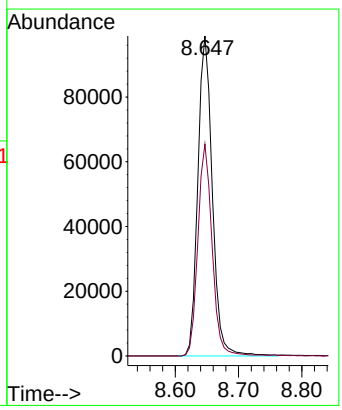


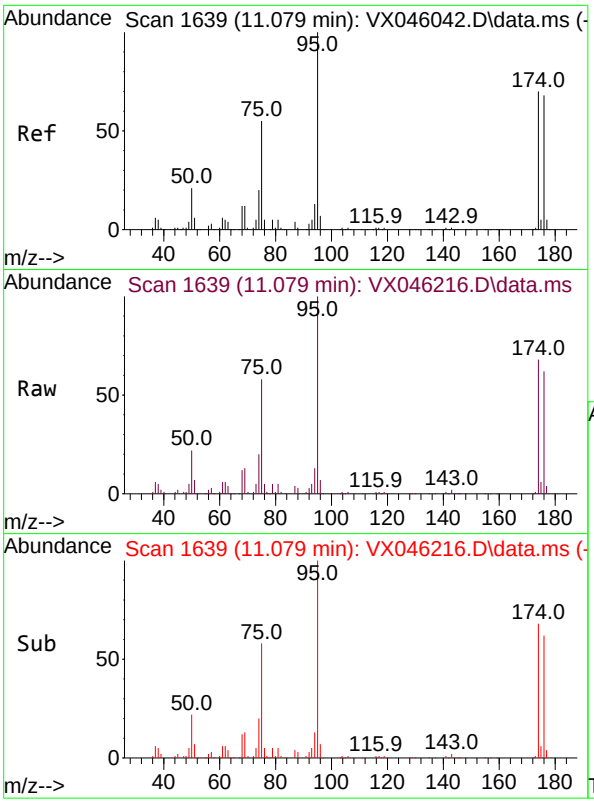


#50
Toluene-d8
Concen: 50.598 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Tgt Ion: 98 Resp: 157987

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.5	80.3



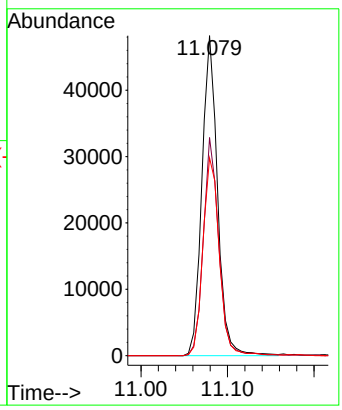


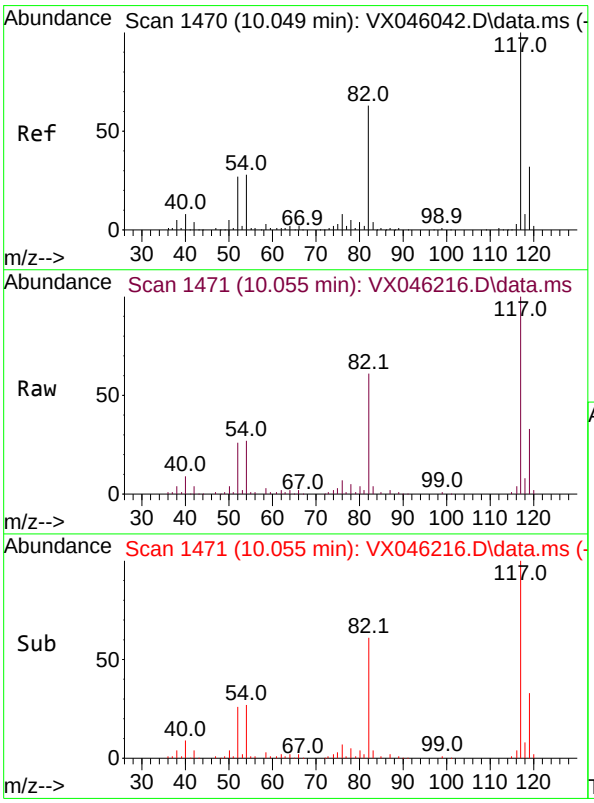
#62
4-Bromofluorobenzene
Concen: 50.400 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

Tgt Ion: 95 Resp: 60365

Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	135.8
176	65.1	0.0	131.4

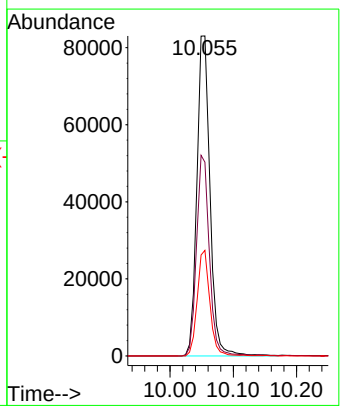


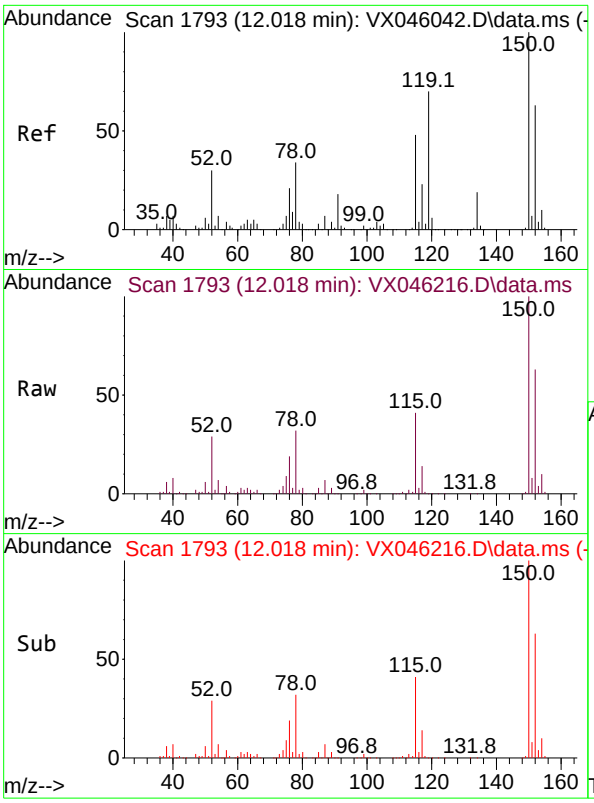


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Tgt Ion:117 Resp: 120203

Ion	Ratio	Lower	Upper
117	100		
82	60.6	50.6	76.0
119	33.0	25.8	38.6



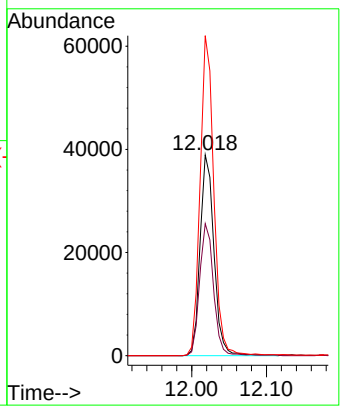


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046216.D
Acq: 15 May 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

Tgt Ion:152 Resp: 50190

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



Sample Results: **VX046216.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046216.D
Acq On : 15 May 2025 16:08
Operator : JC/MD
Sample : Q2050-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

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: VX046216.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	8428	8649	1.94%	0.362%
2	1.258	23	28	33	rBV5	3146	5977	1.34%	0.250%
3	1.368	41	46	50	rVB5	3404	4985	1.12%	0.209%
4	1.587	70	82	87	rVB3	4278	11163	2.51%	0.467%
5	5.385	695	705	722	rBV2	53547	159465	35.81%	6.677%
6	5.550	722	732	747	rVV	73254	210389	47.24%	8.810%
7	5.952	788	798	818	rBV	61095	169299	38.02%	7.089%
8	6.757	922	930	947	rBV	132474	321049	72.09%	13.444%
9	8.647	1234	1240	1257	rBV	280460	445317	100.00%	18.647%
10	10.049	1465	1470	1483	rBV	286808	408250	91.68%	17.095%
11	11.079	1634	1639	1652	rBV	236092	300024	67.37%	12.563%
12	12.018	1788	1793	1804	rBV	271503	343566	77.15%	14.386%

Sum of corrected areas: 2388133

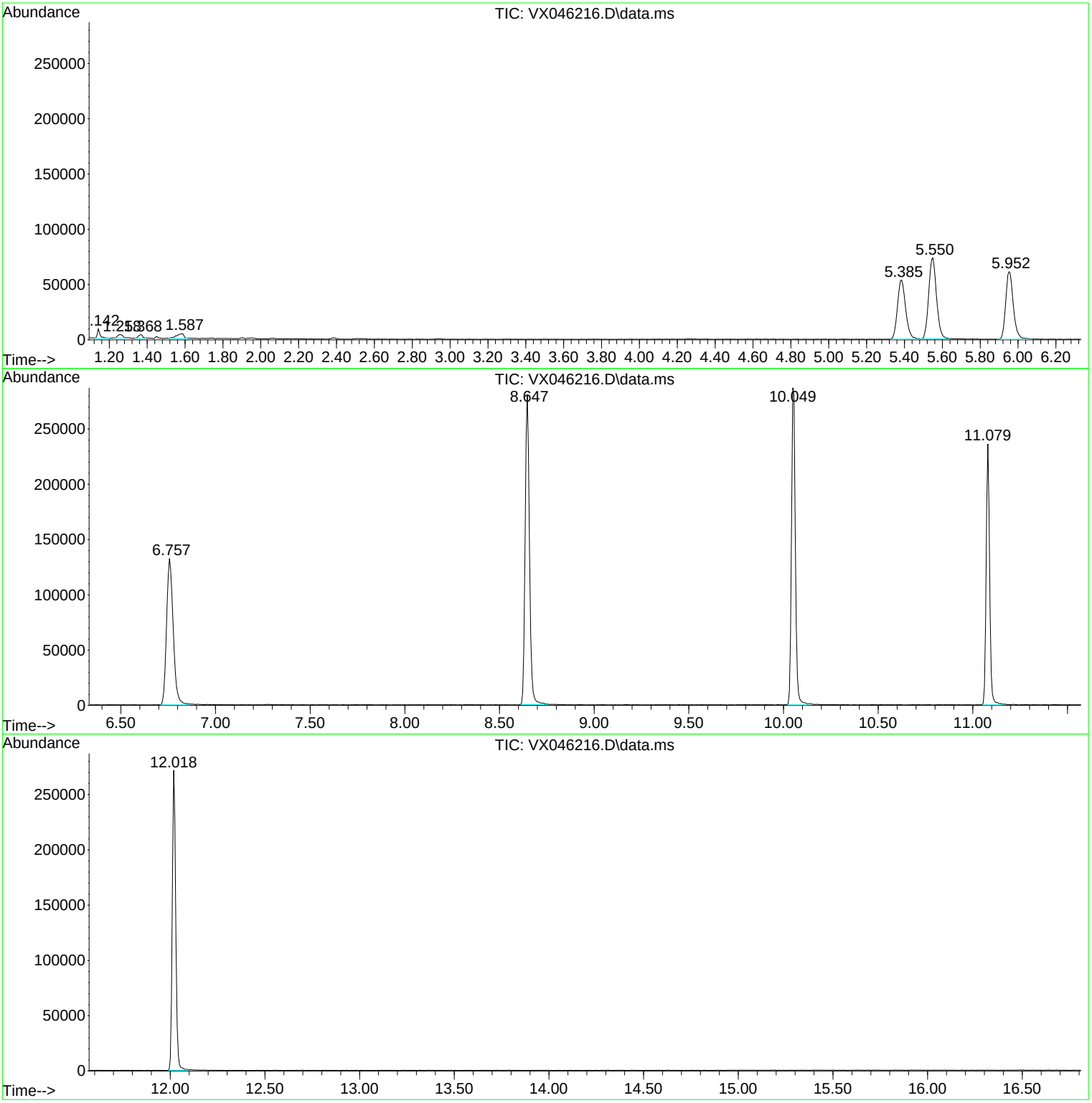
Sample Results: **VX046216.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046216.D
Acq On : 15 May 2025 16:08
Operator : JC/MD
Sample : Q2050-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

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



Library Search Compound Report

Sample Results: **VX046216.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046216.D
Acq On : 15 May 2025 16:08
Operator : JC/MD
Sample : Q2050-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

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\VX051525\
Data File : VX046216.D
Acq On : 15 May 2025 16:08
Operator : JC/MD
Sample : Q2050-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-240-242

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.: Q2050 SAS No.: Q2050 SDG No.: Q2050

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.

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2050 SAS No.: Q2050 SDG No.: Q2050

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

Quantitation Report (QT Reviewed)

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)
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

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)
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

ICAL Form

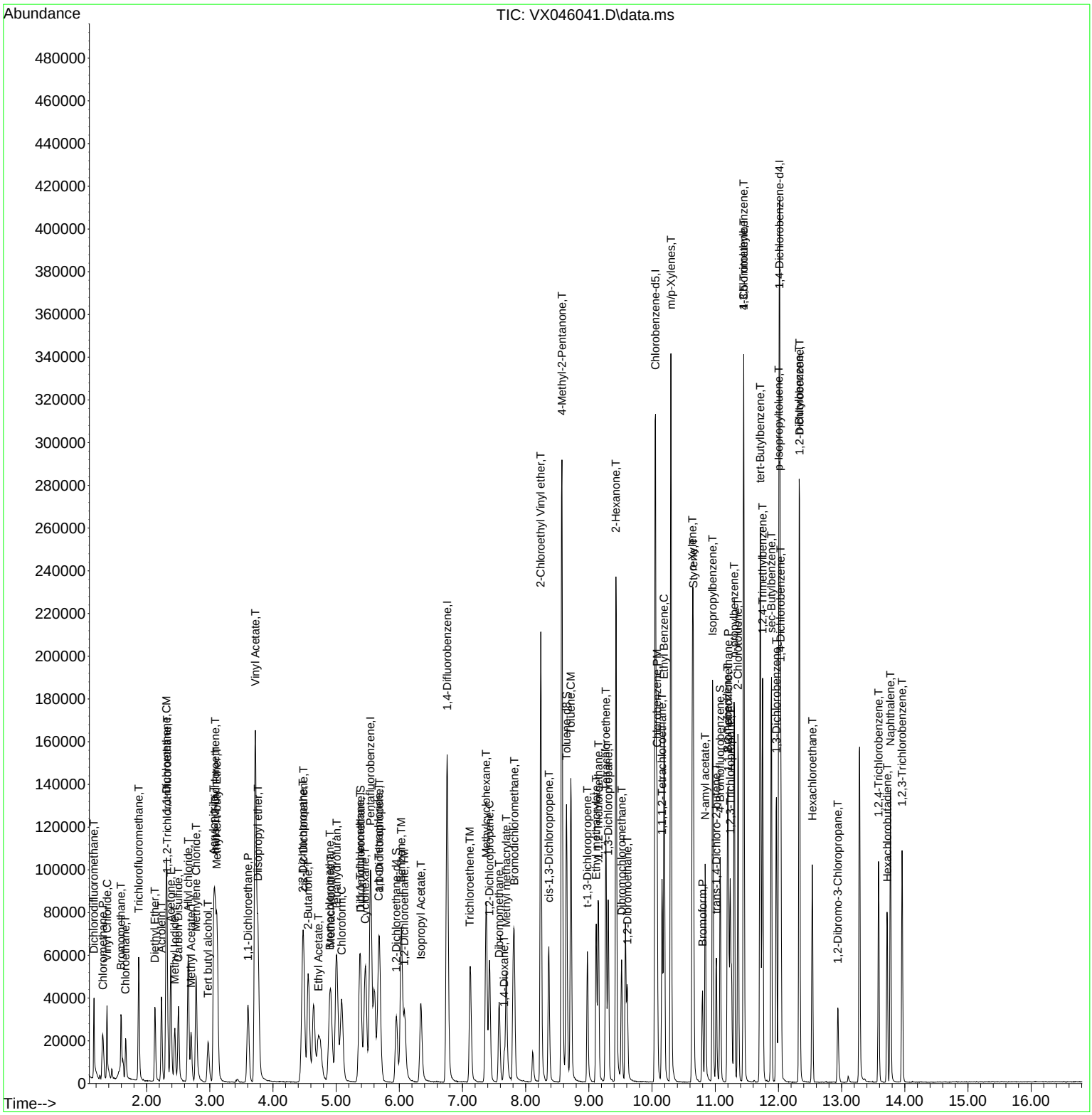
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

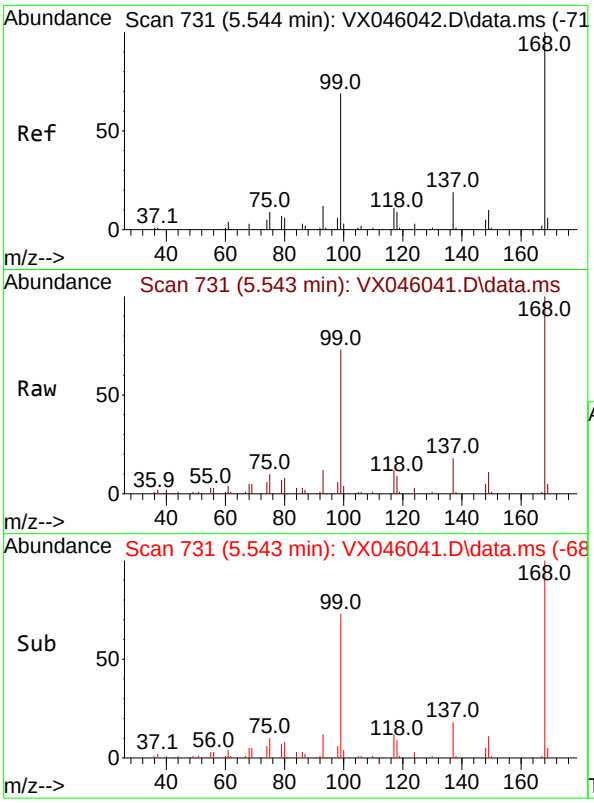
Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

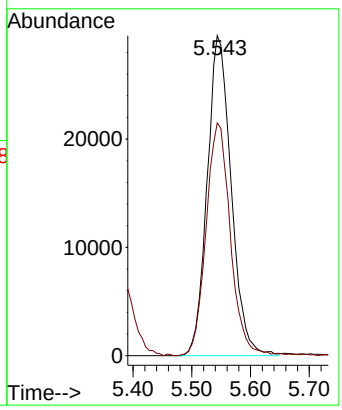




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:168 Resp: 8367

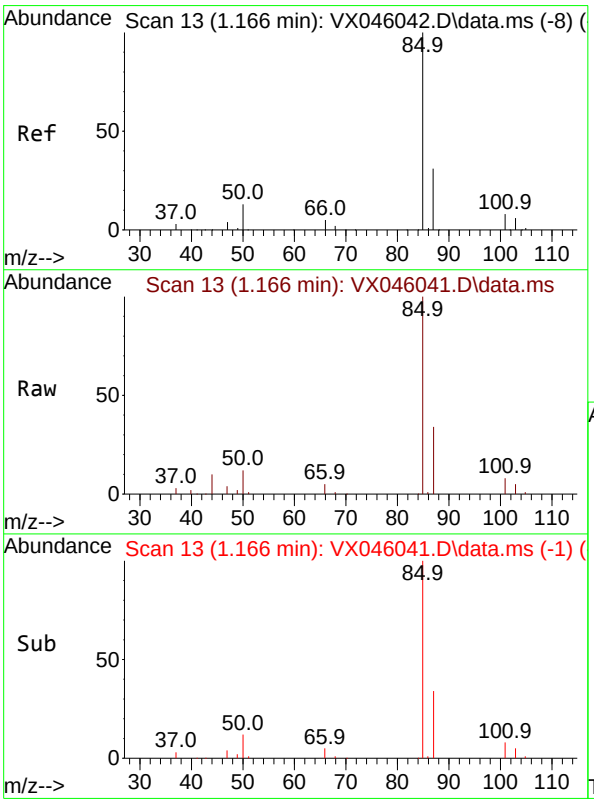
Ion	Ratio	Lower	Upper
168	100		
99	72.7	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

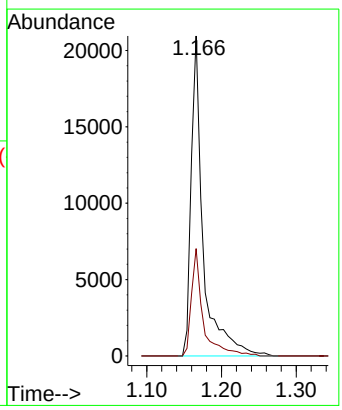
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

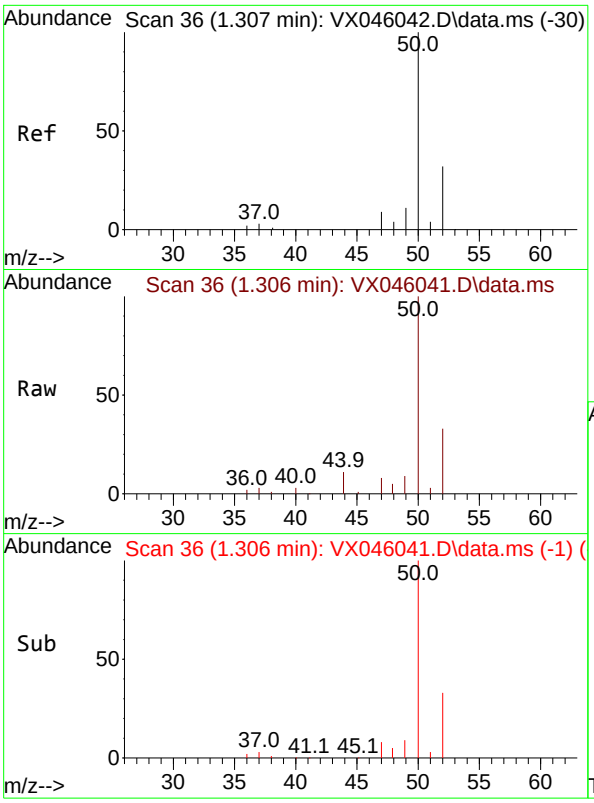


#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.1

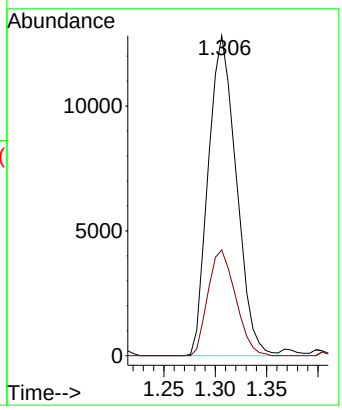




#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 50 Resp: 2431

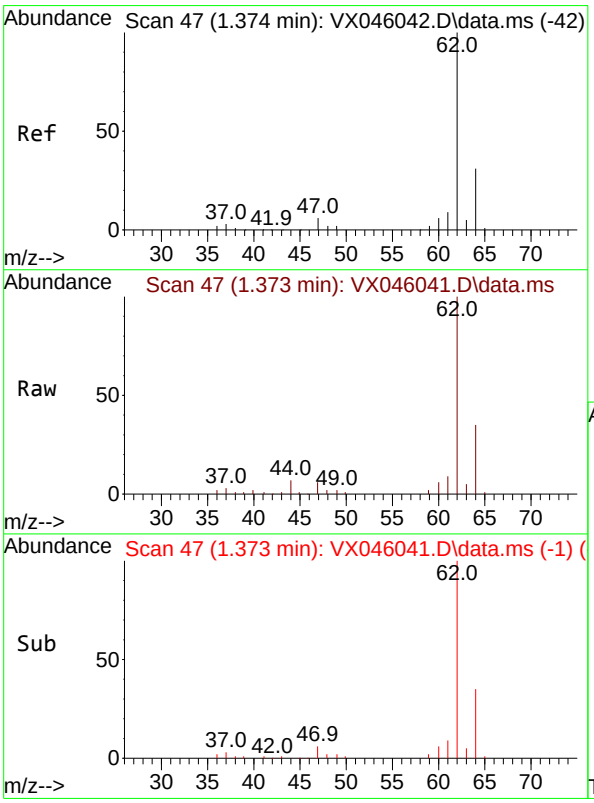
Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

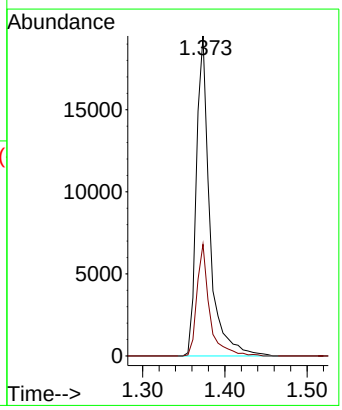
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

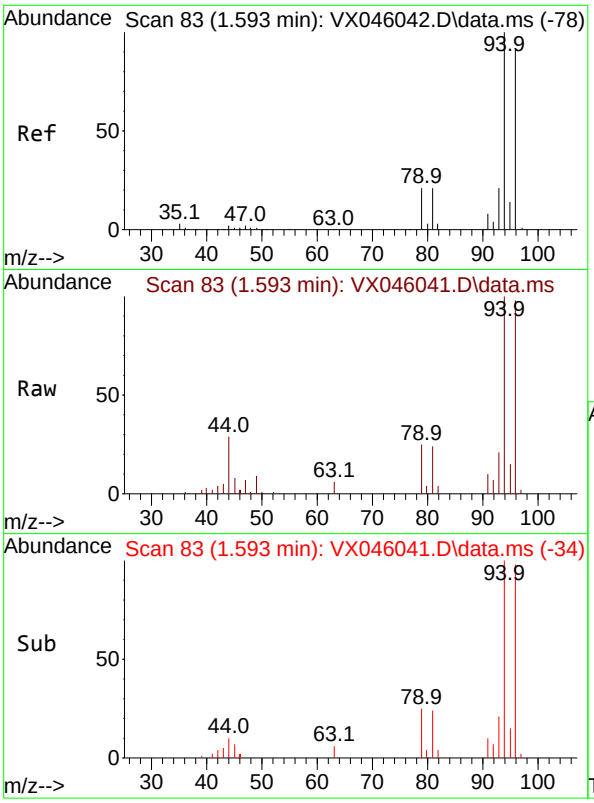


#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 22096

Ion	Ratio	Lower	Upper
62	100		
64	34.9	25.2	37.8

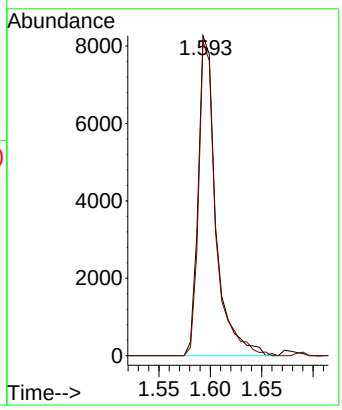




#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 94 Resp: 992

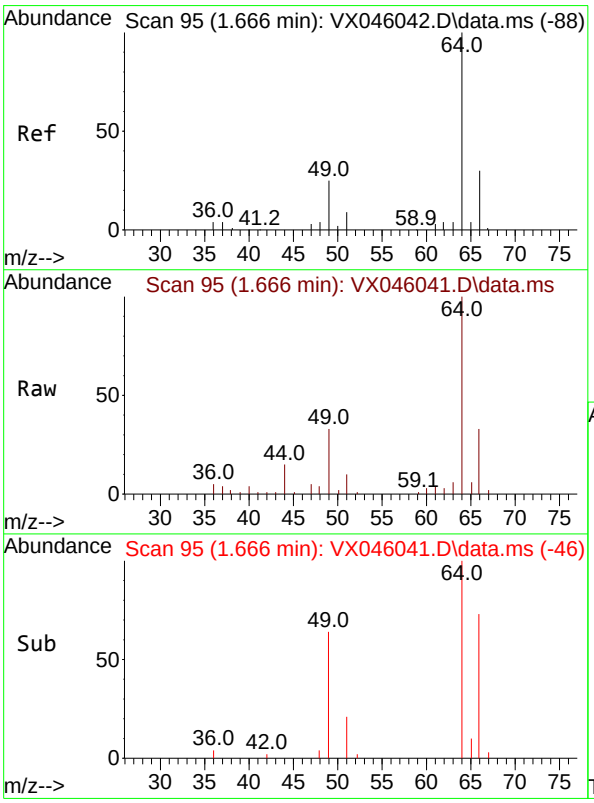
Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

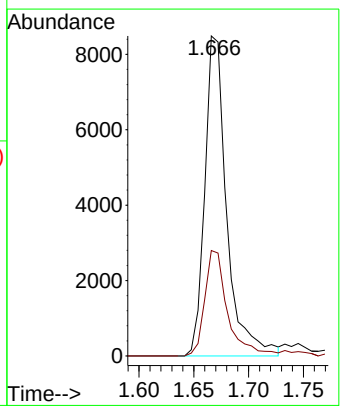
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

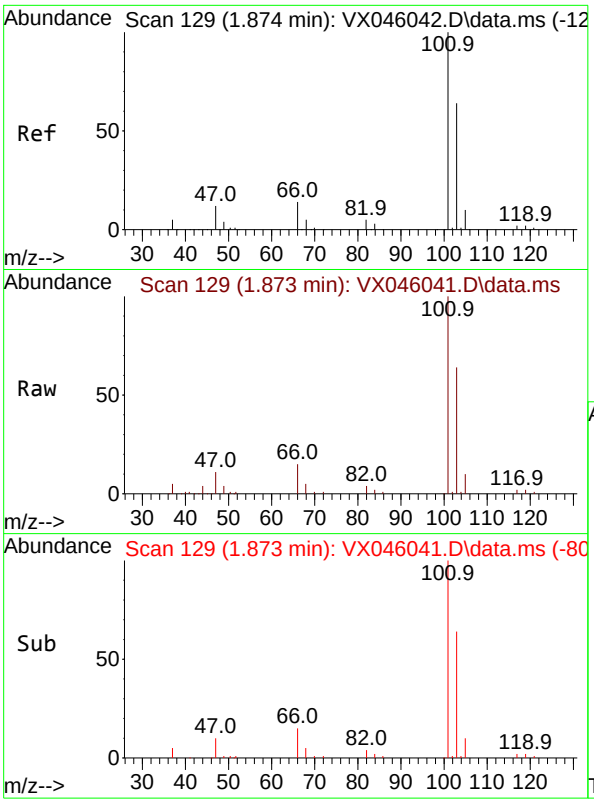


#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 64 Resp: 11832

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.3	36.5

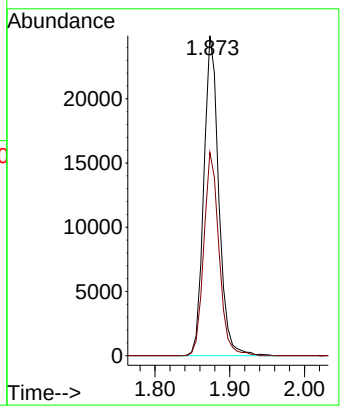




#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:101 Resp: 3463

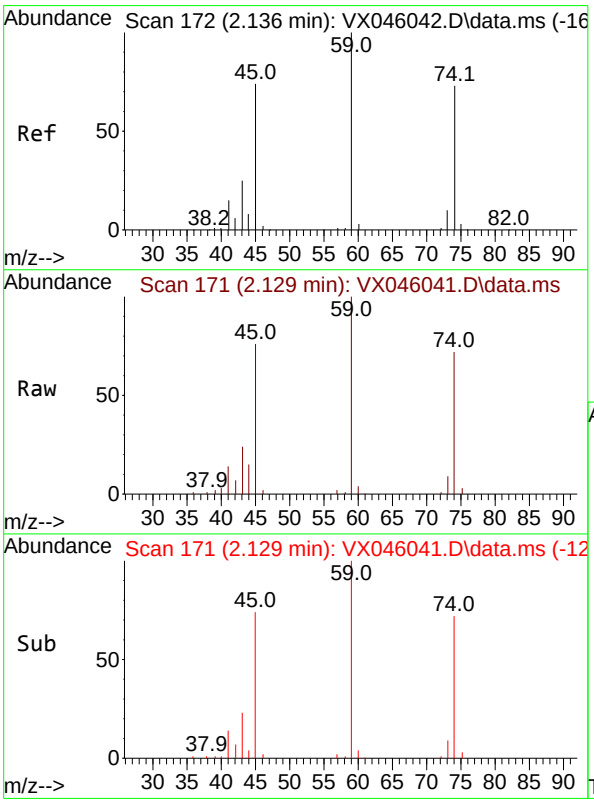
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

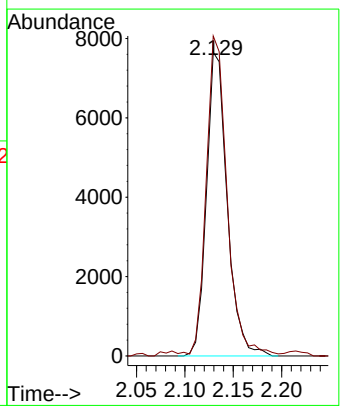
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

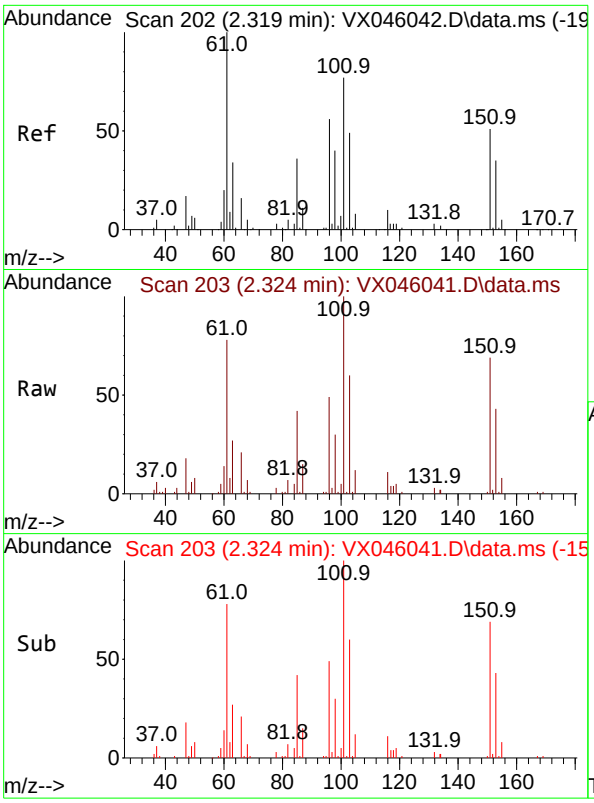


#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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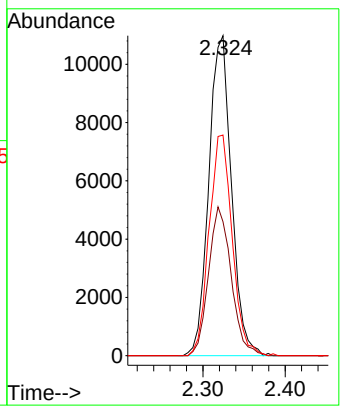
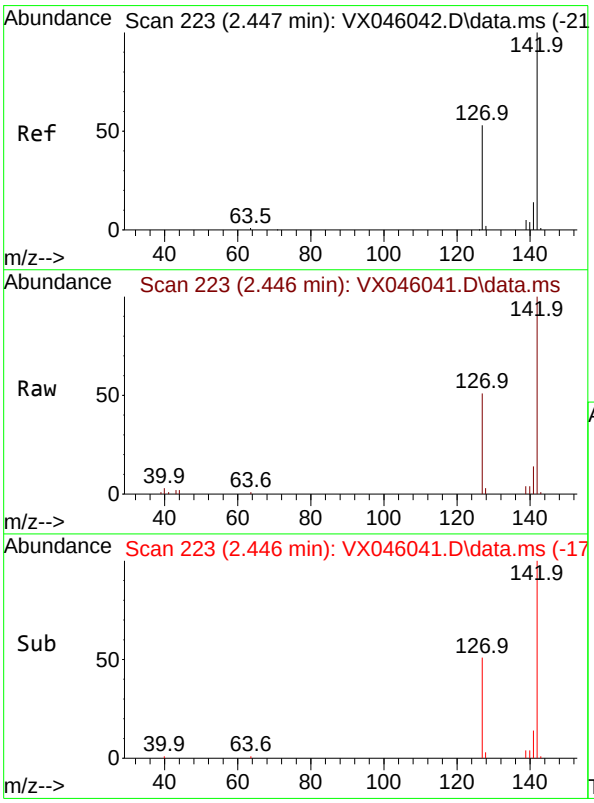
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

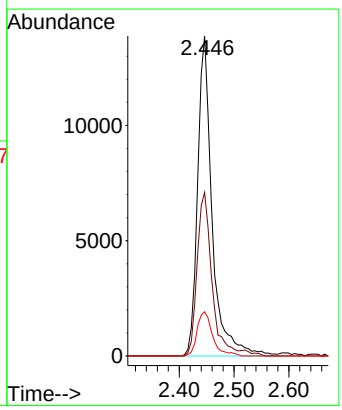


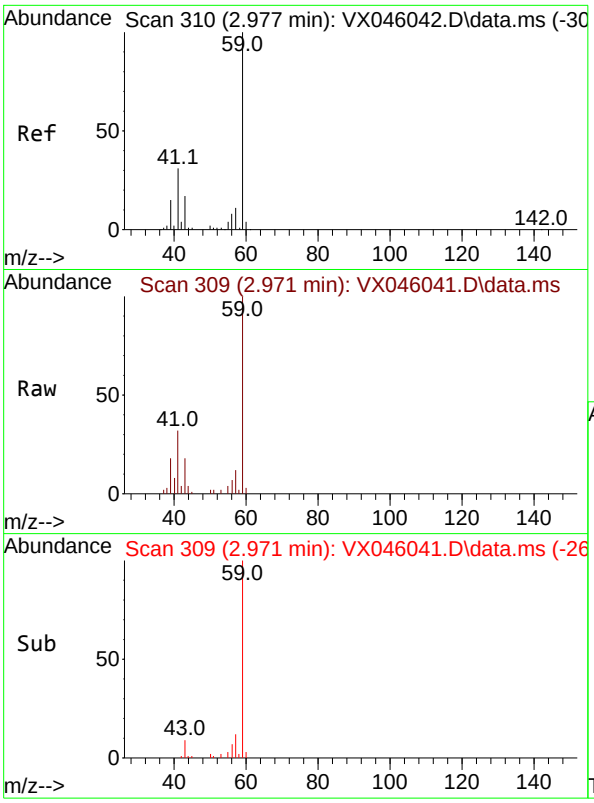


#10
Methyl Iodide
Concen: 15.070 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

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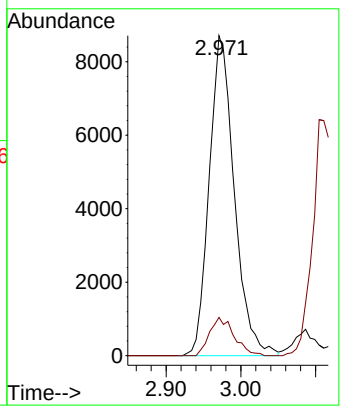
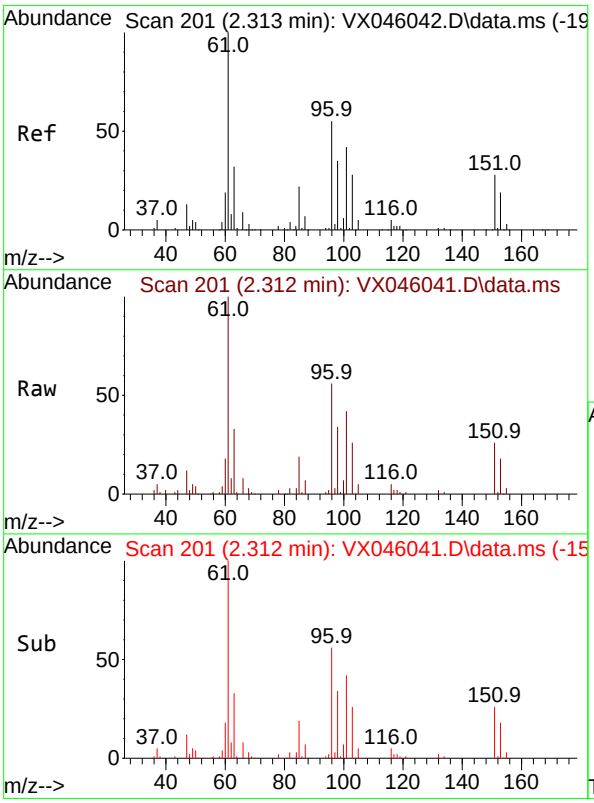
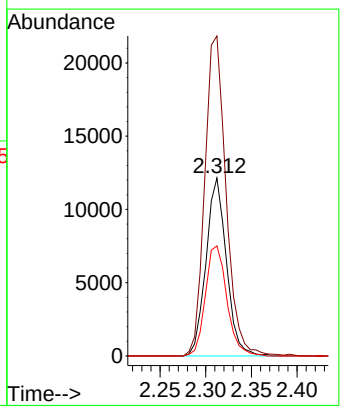


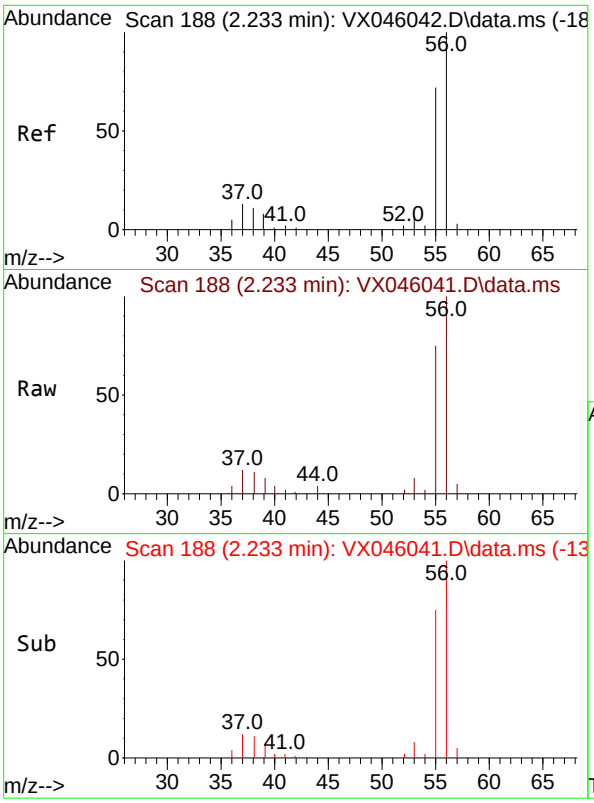


#12
1,1-Dichloroethene
Concen: 13.385 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

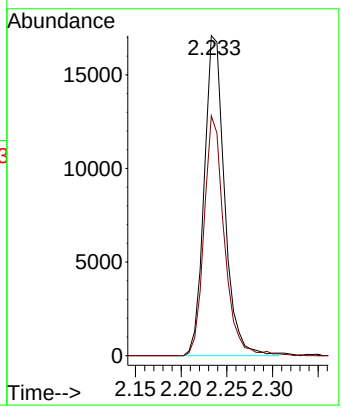




#13
Acrolein
Concen: 76.689 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 2642

Ion	Ratio	Lower	Upper
56	100		
55	74.3	56.2	84.4



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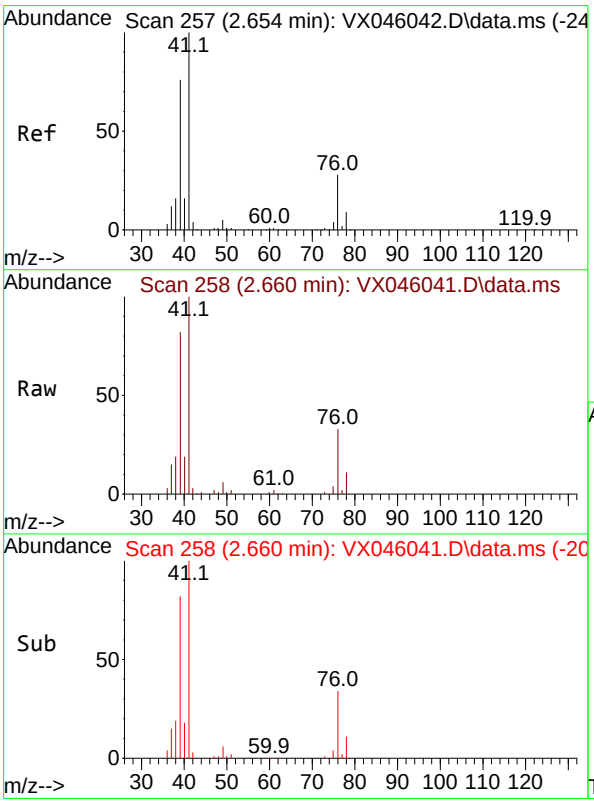
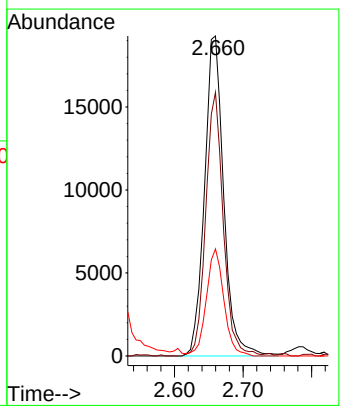
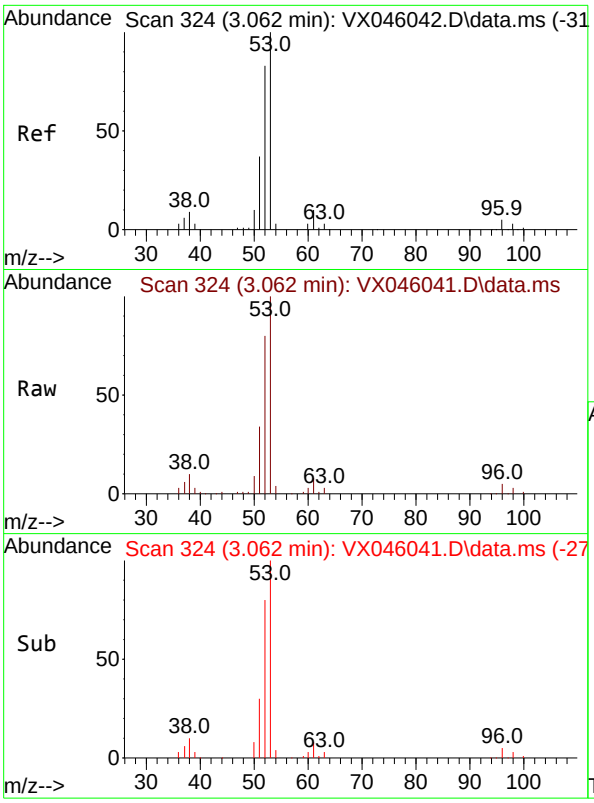


#14
Allyl chloride
Concen: 14.133 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

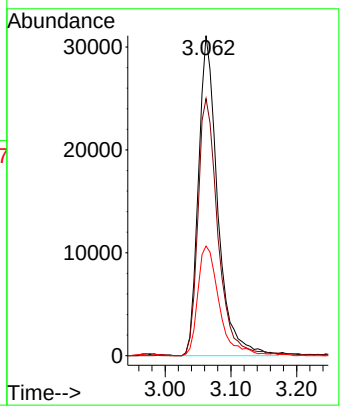




#15
Acrylonitrile
Concen: 71.312 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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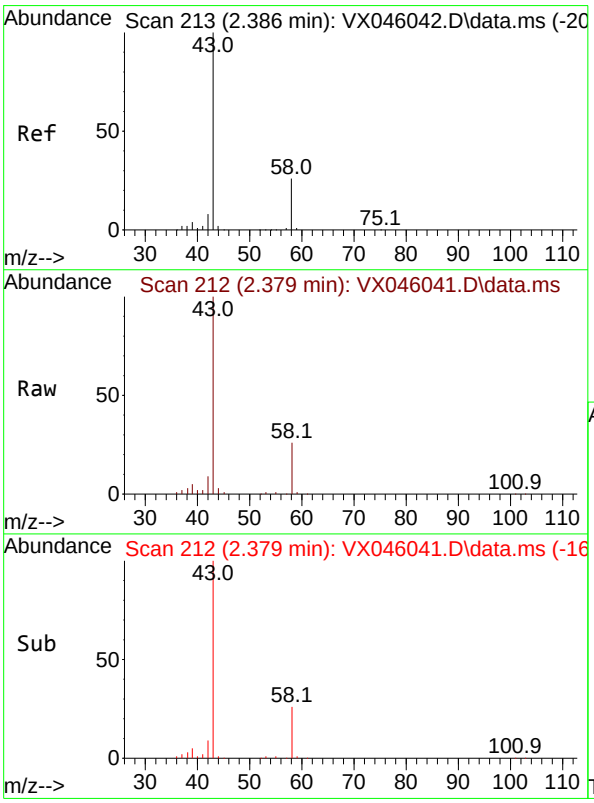
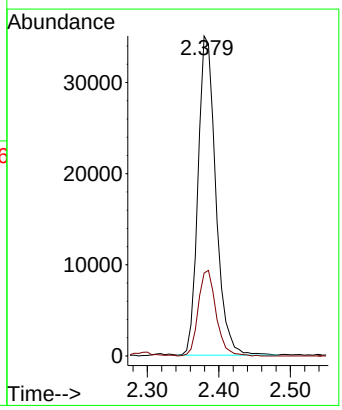
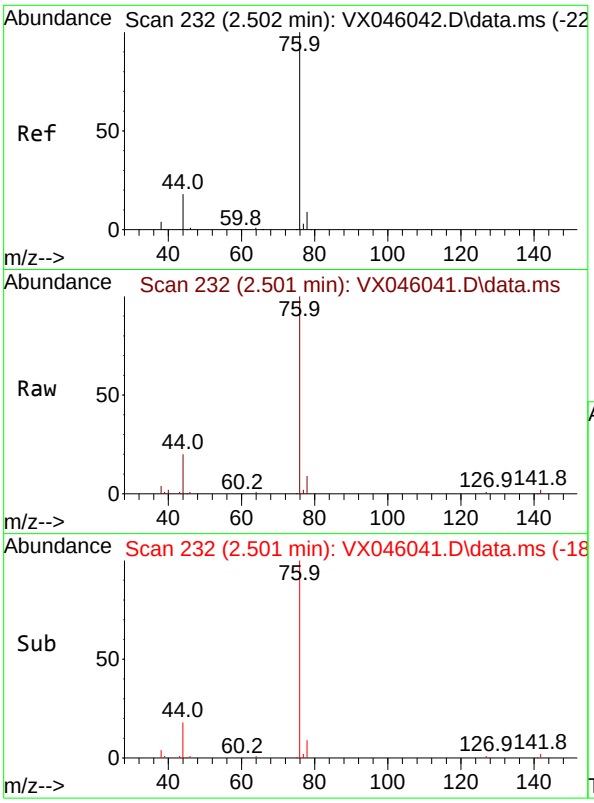


#16
Acetone
Concen: 70.884 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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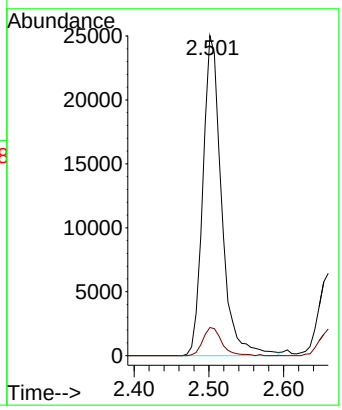
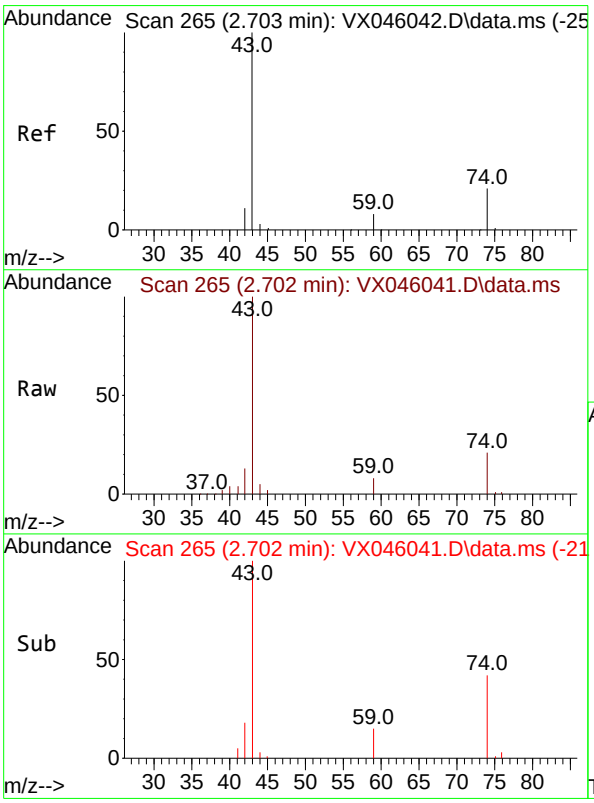
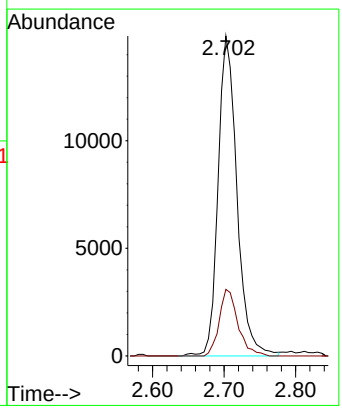


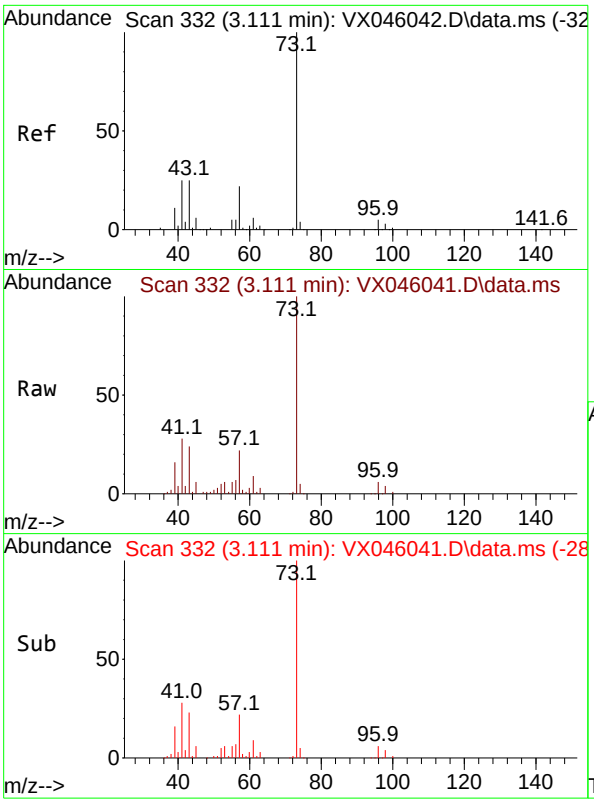


#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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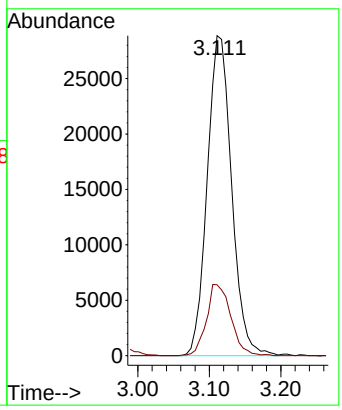
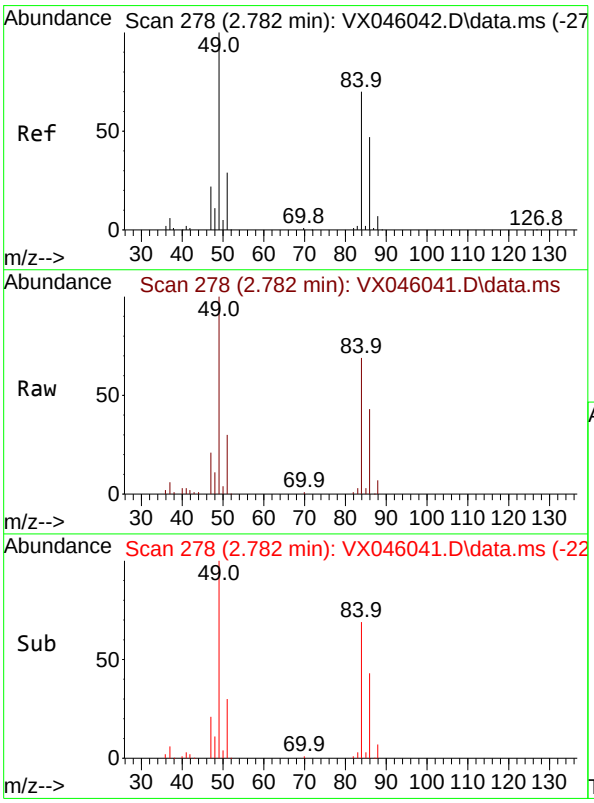
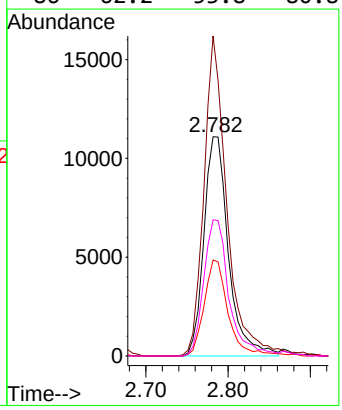


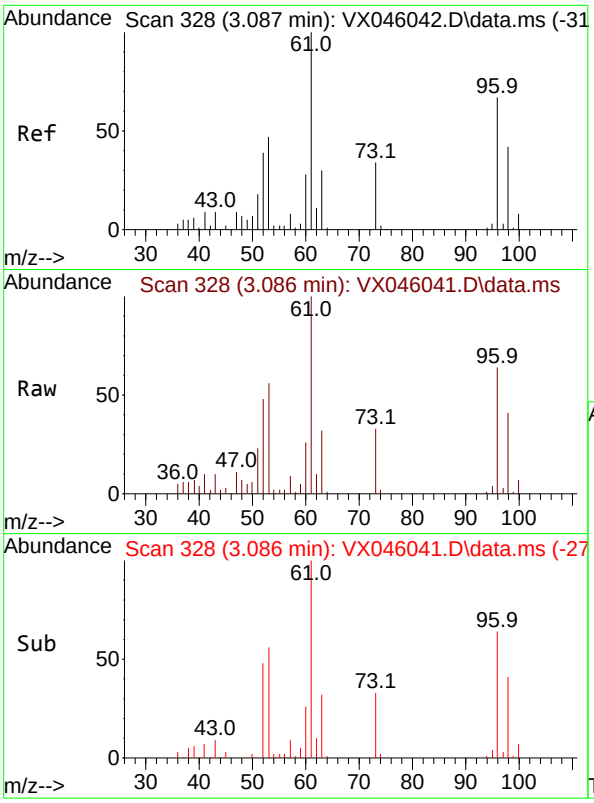


#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

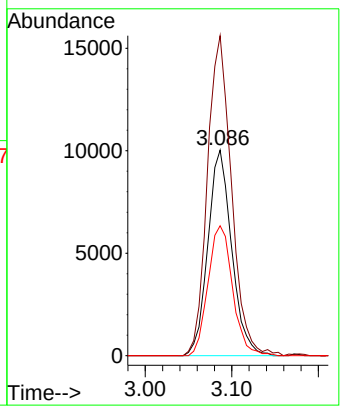




#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



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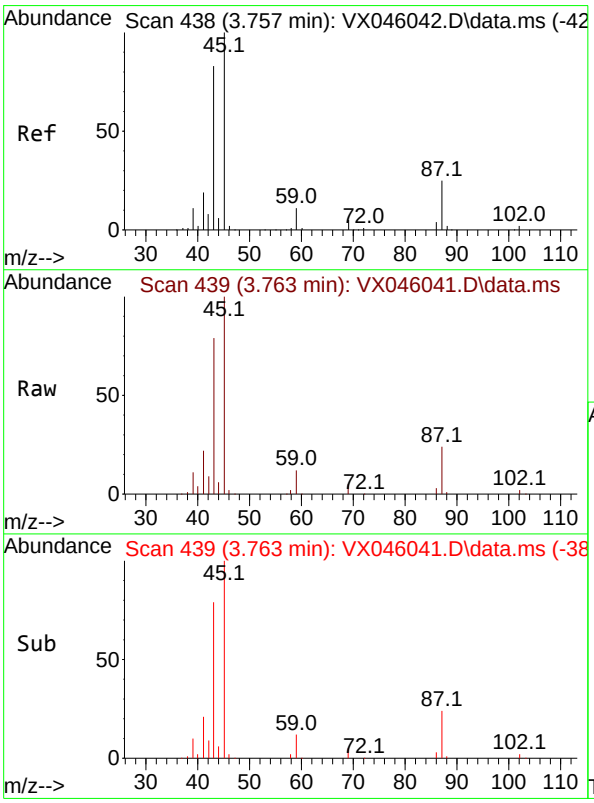
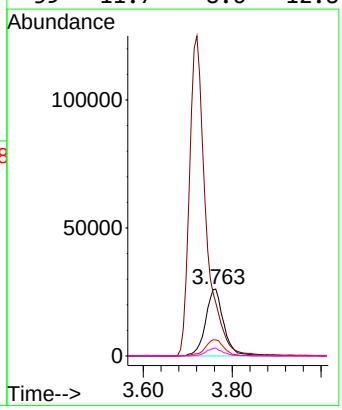
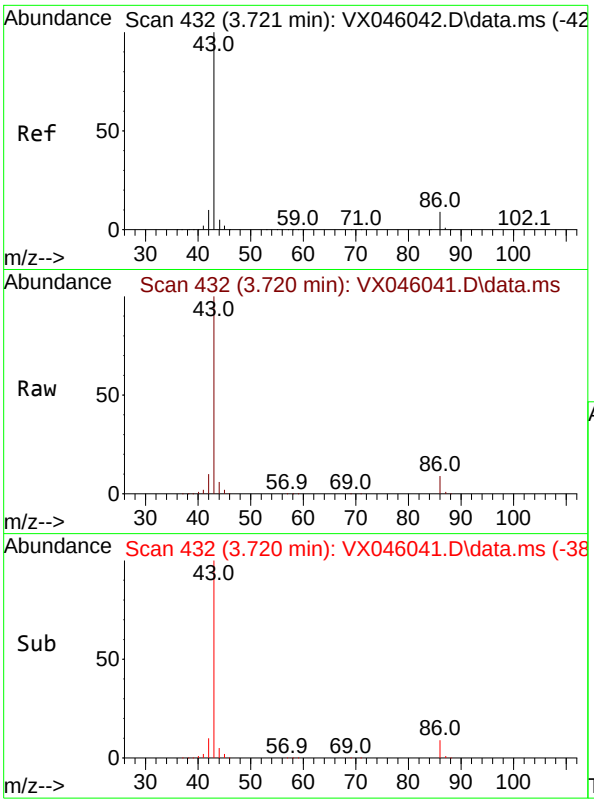


#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

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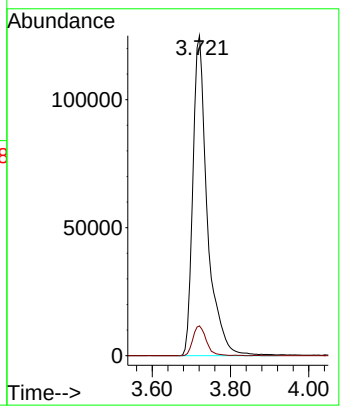
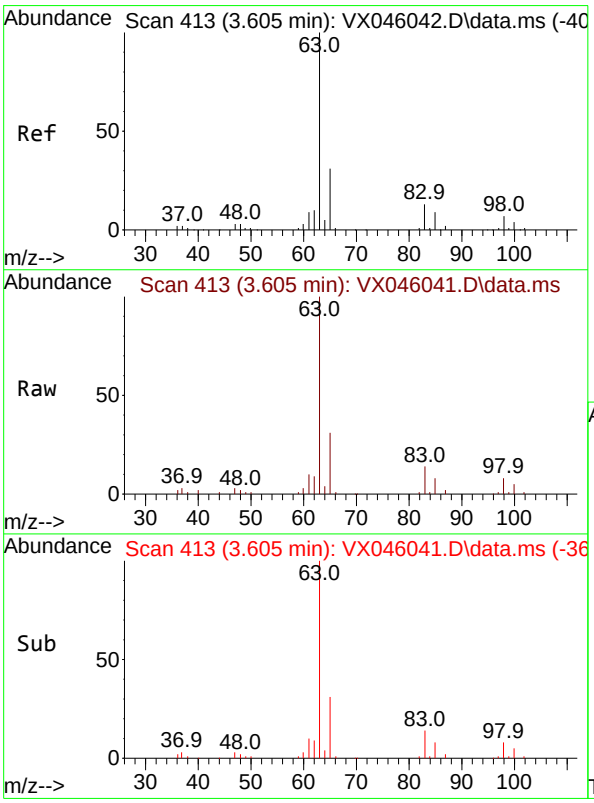
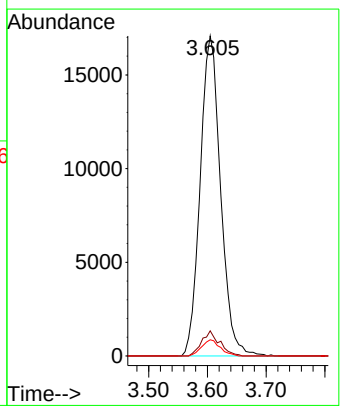


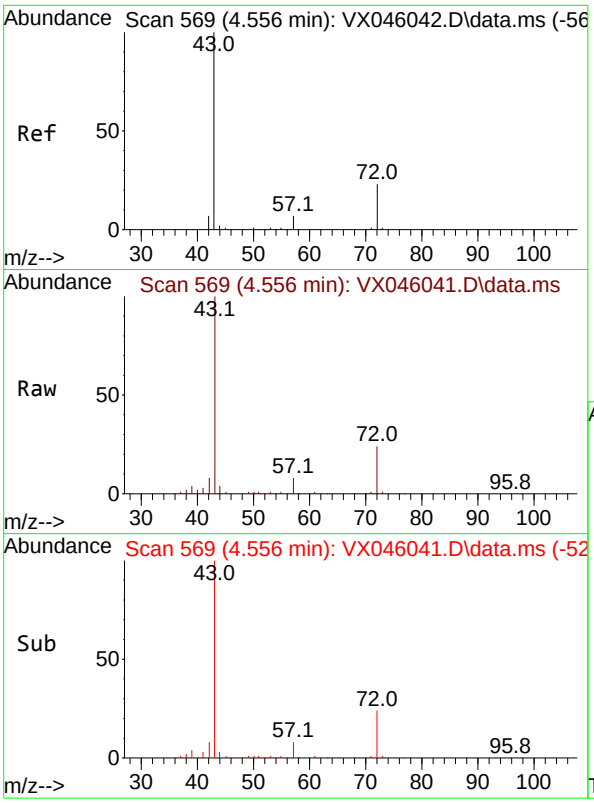


#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

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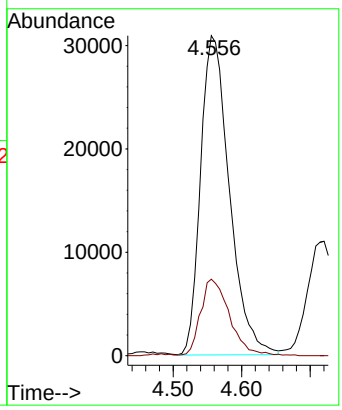
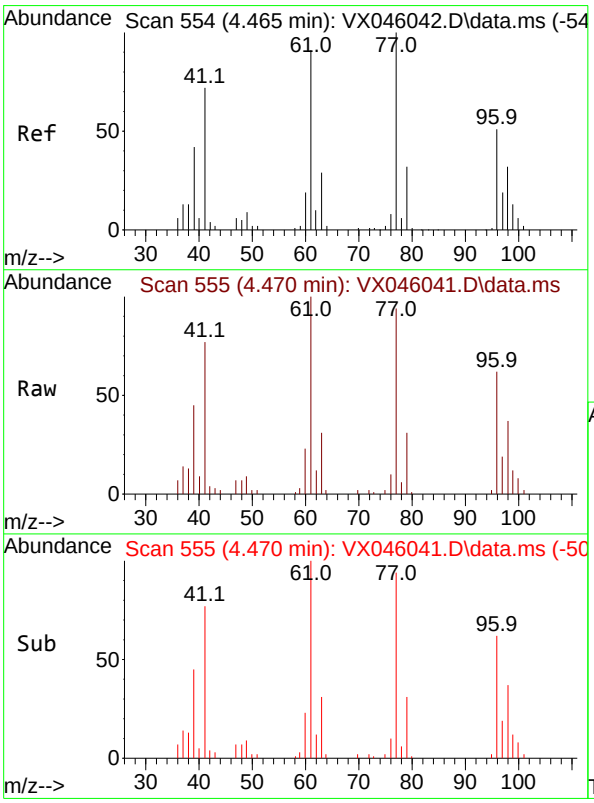
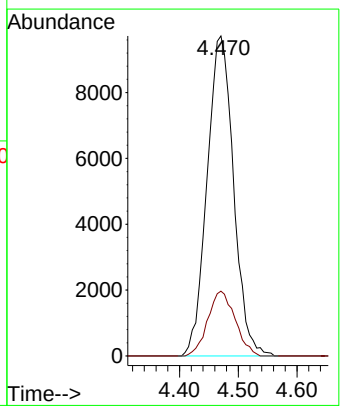


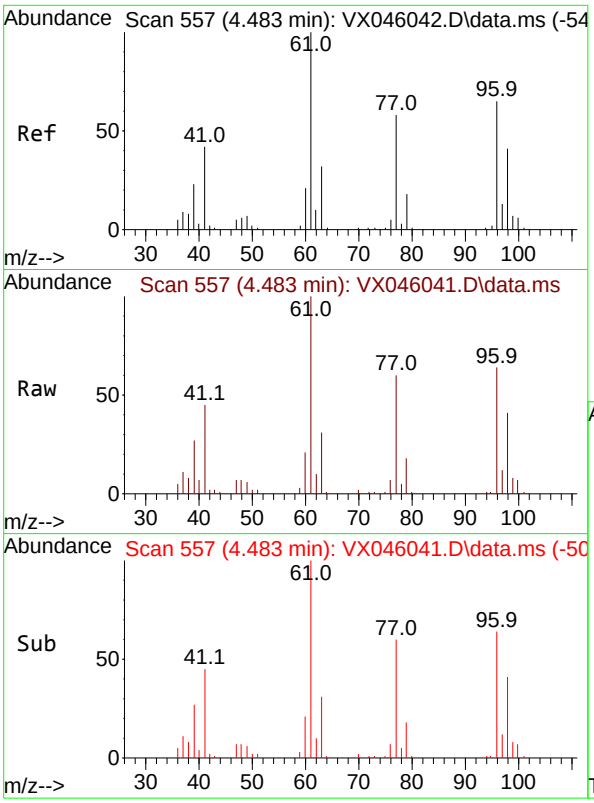


#26
2,2-Dichloropropane
Concen: 13.729 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 77 Resp: 30472

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.5	31.5

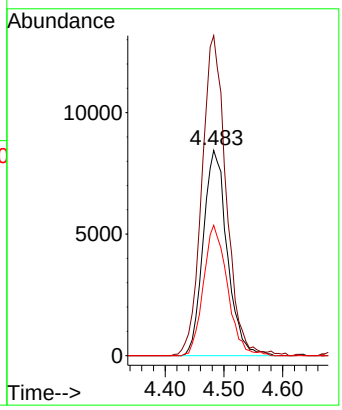




#27
cis-1,2-Dichloroethene
Concen: 13.791 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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 :
MSVOA_X
ClientSampleId :
VSTDICC020

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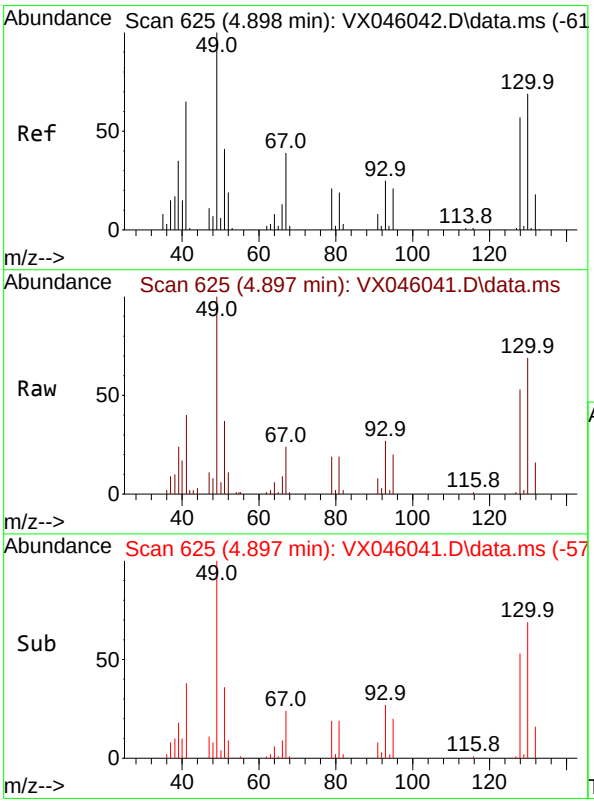
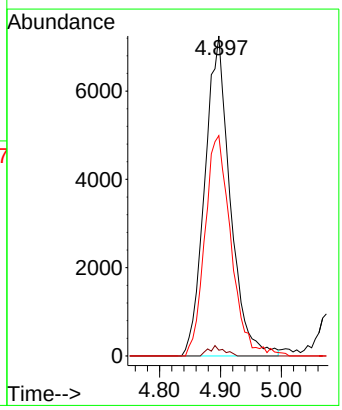
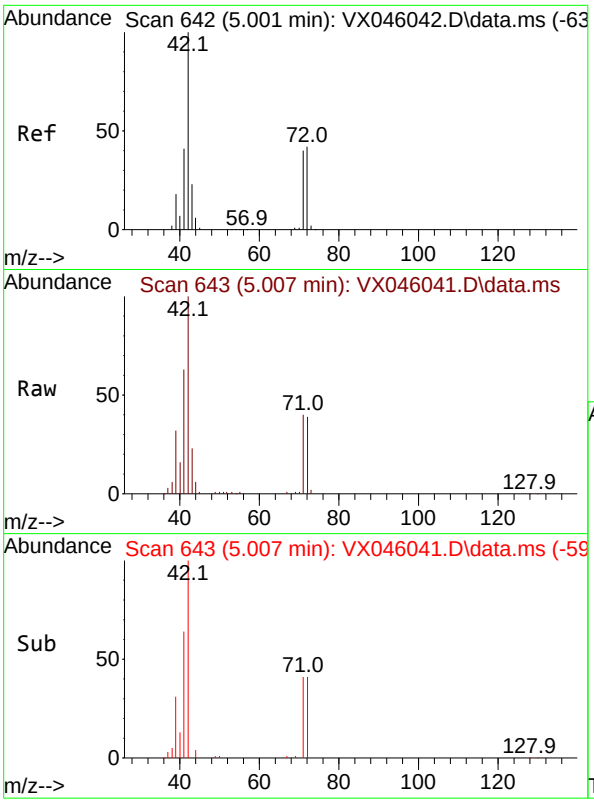


#28
Bromochloromethane
Concen: 13.497 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

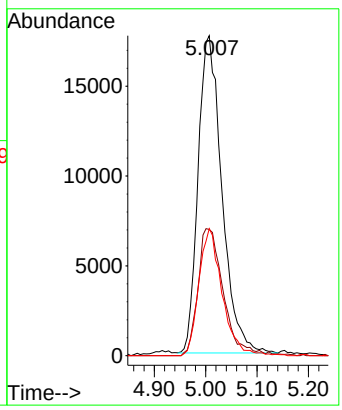




#29
Tetrahydrofuran
Concen: 71.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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 :
MSVOA_X
ClientSampleId :
VSTDICC020

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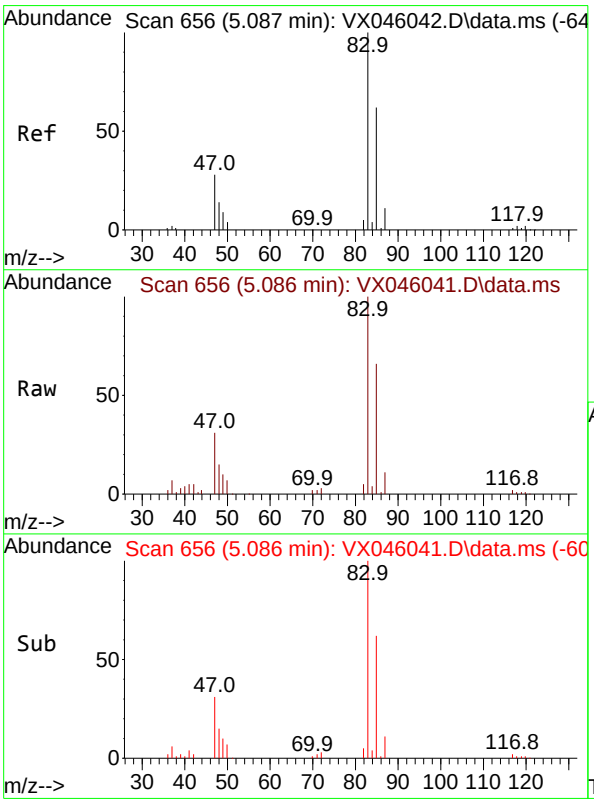
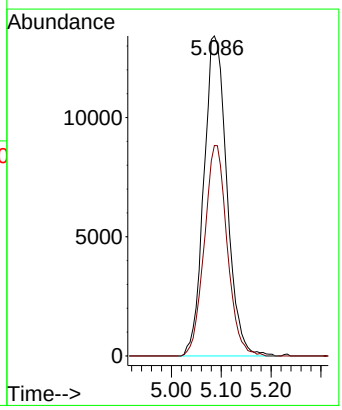
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

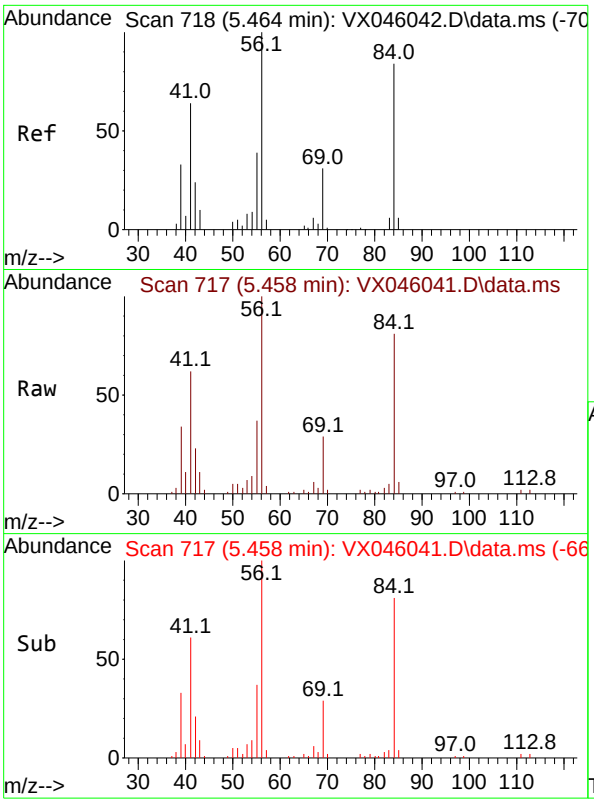


#30
Chloroform
Concen: 14.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 43065

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9

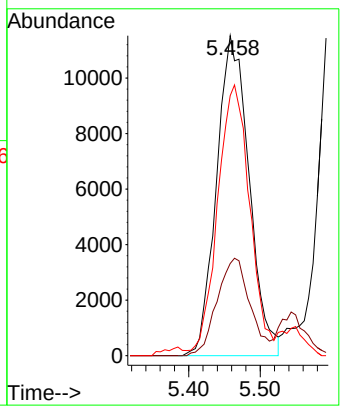




#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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 :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 05/06/2025
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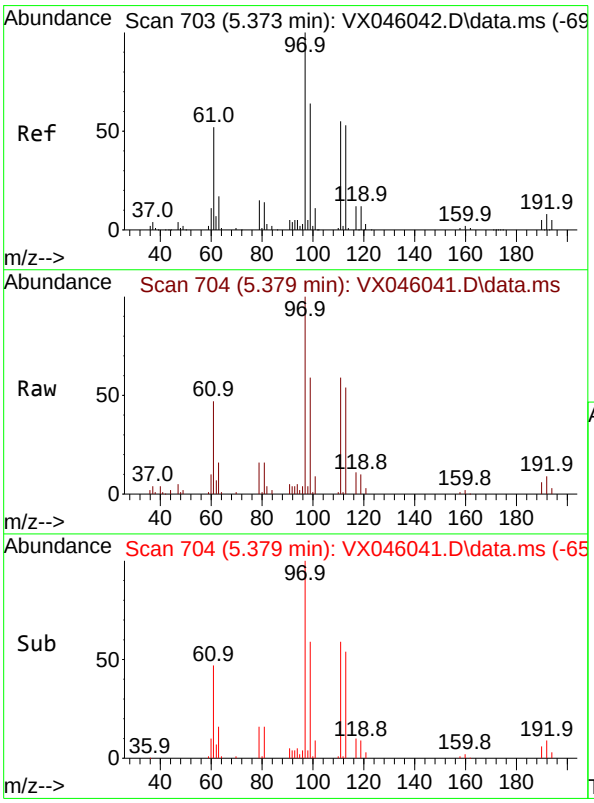
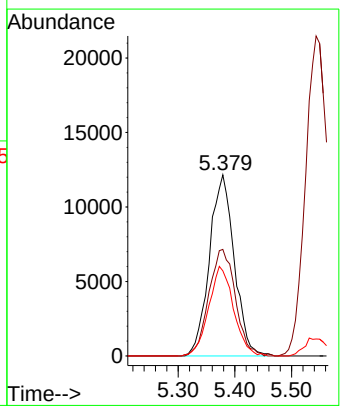
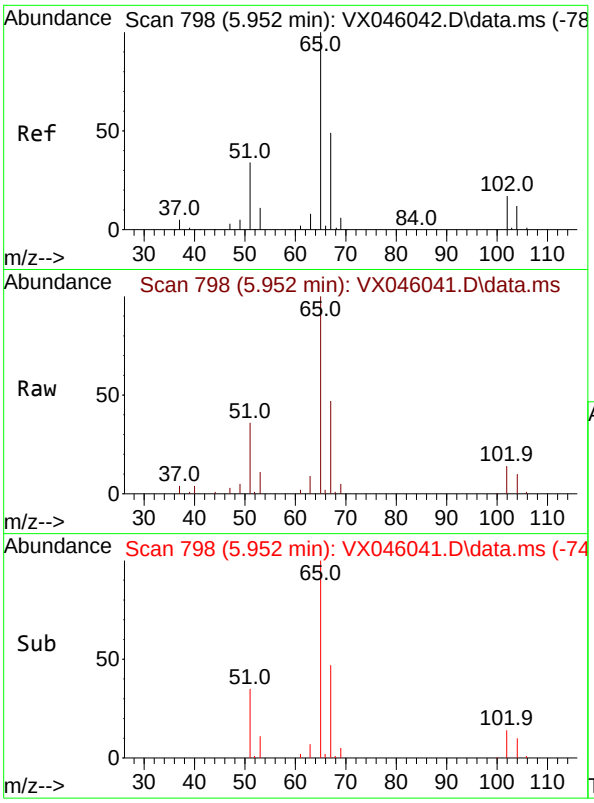


#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

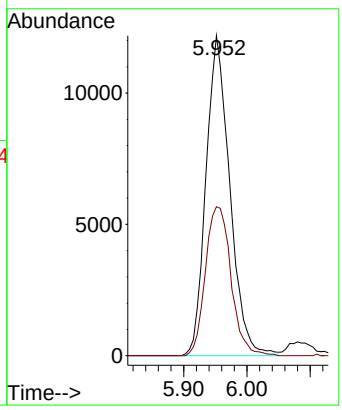




#33
1,2-Dichloroethane-d4
Concen: 12.820 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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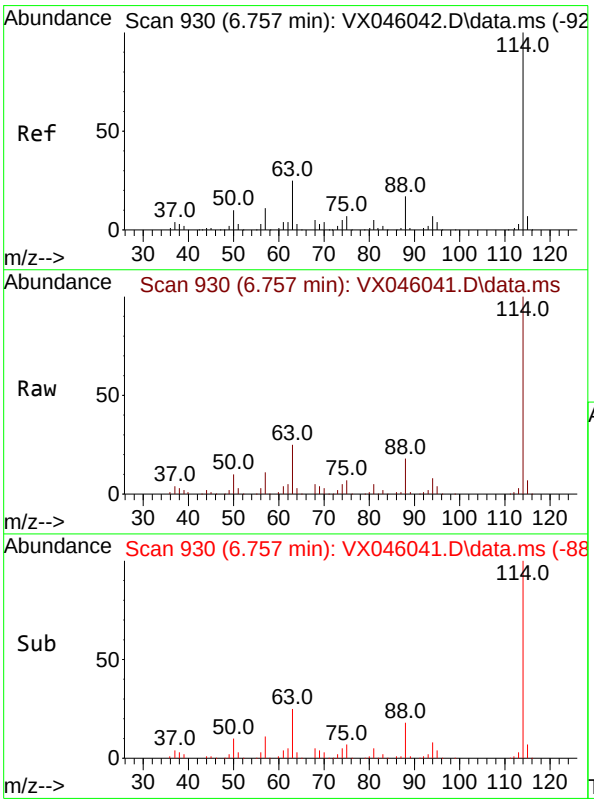
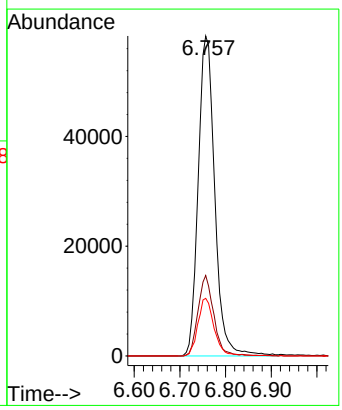
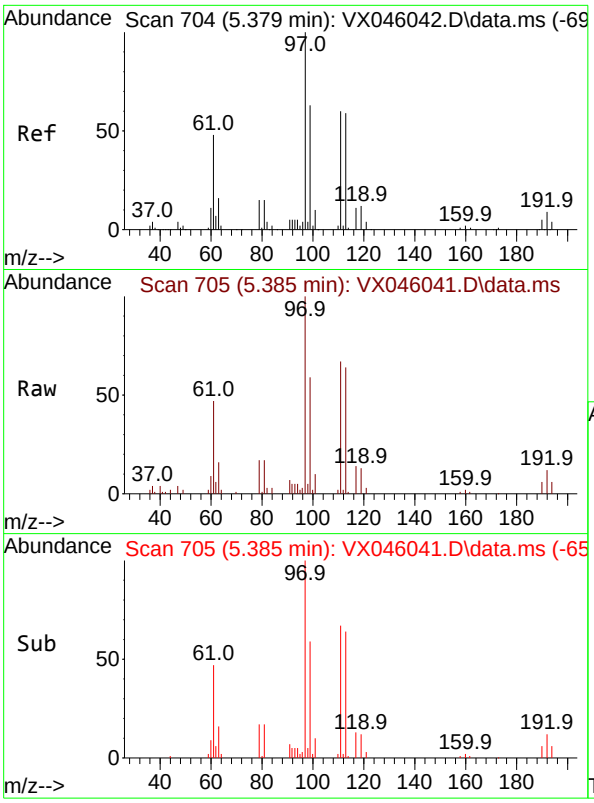


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

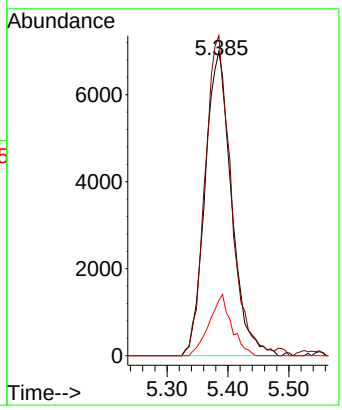




#35
Dibromofluoromethane
Concen: 12.804 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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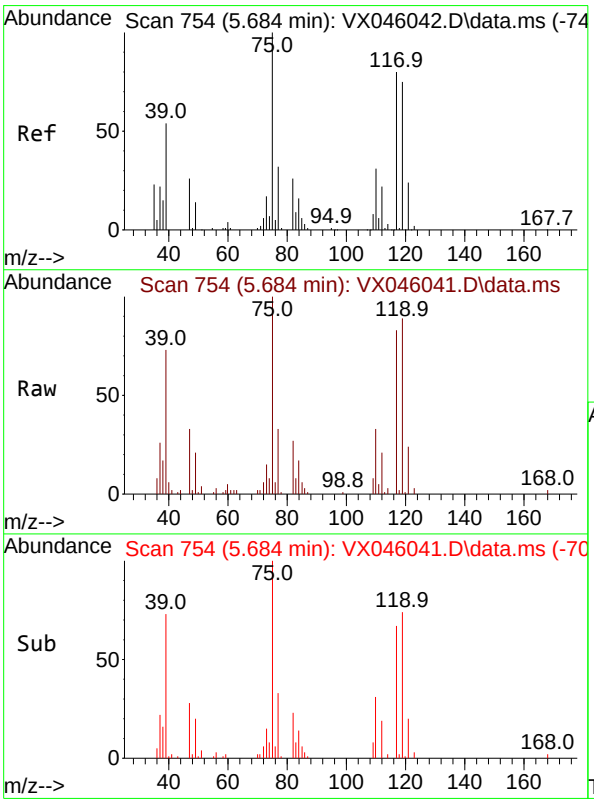
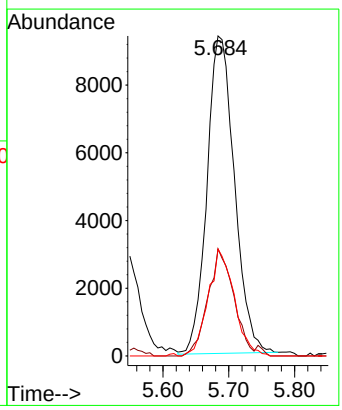
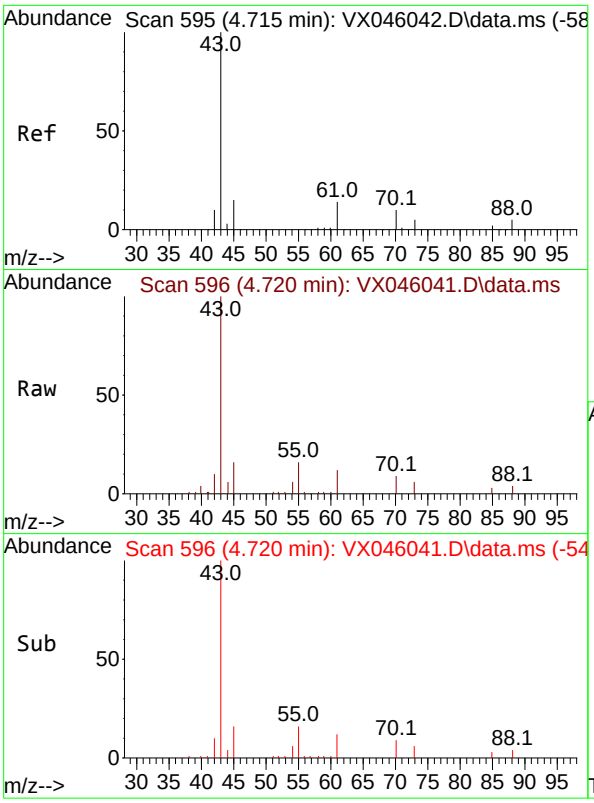


#36
1,1-Dichloropropene
Concen: 14.231 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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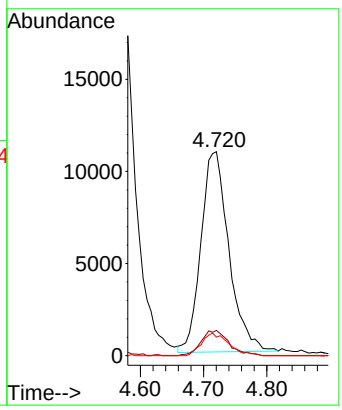
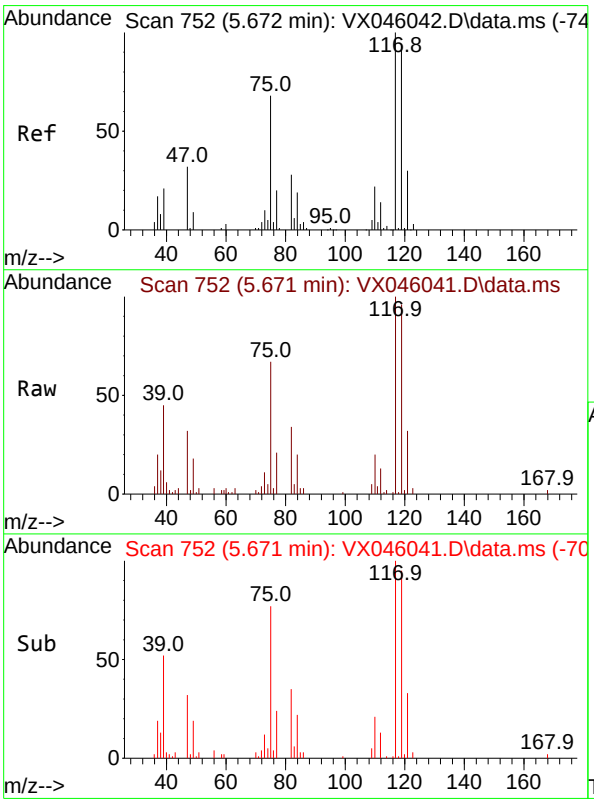
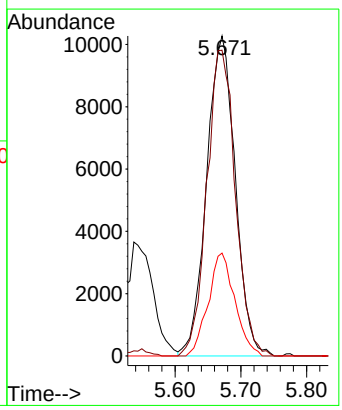


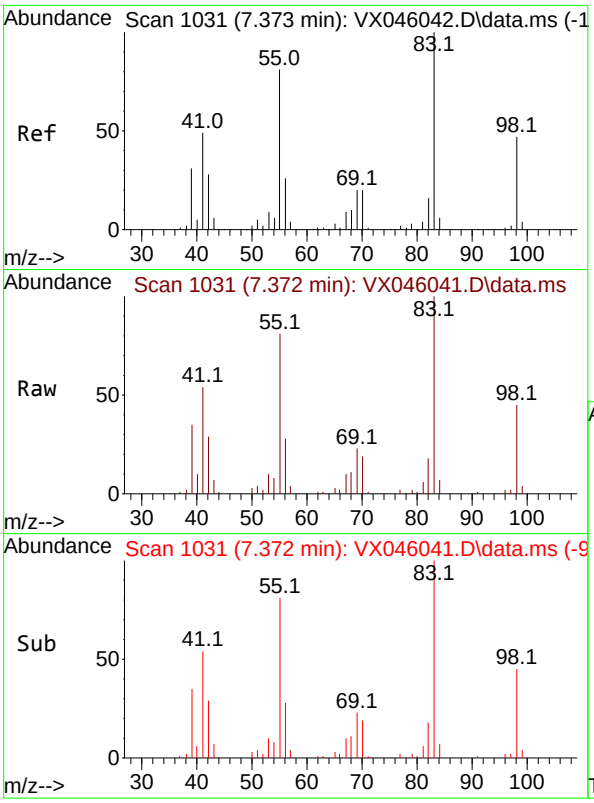


#38
Carbon Tetrachloride
Concen: 14.137 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

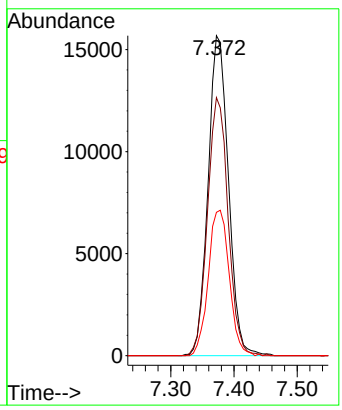




#39
Methylcyclohexane
Concen: 14.623 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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 :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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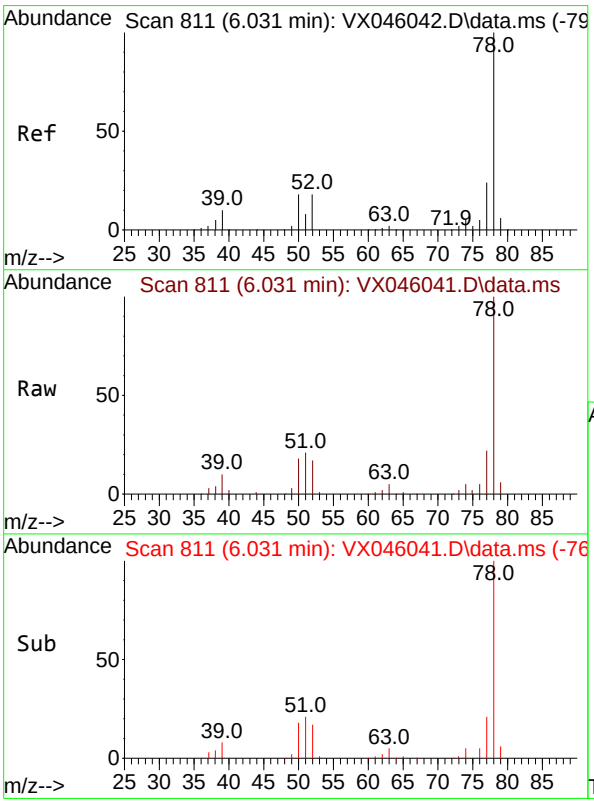
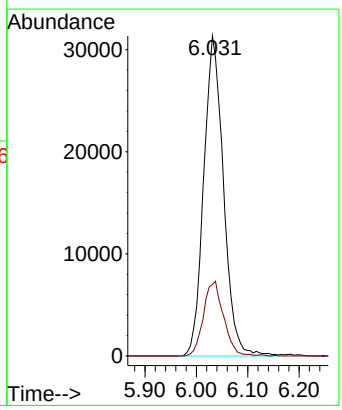
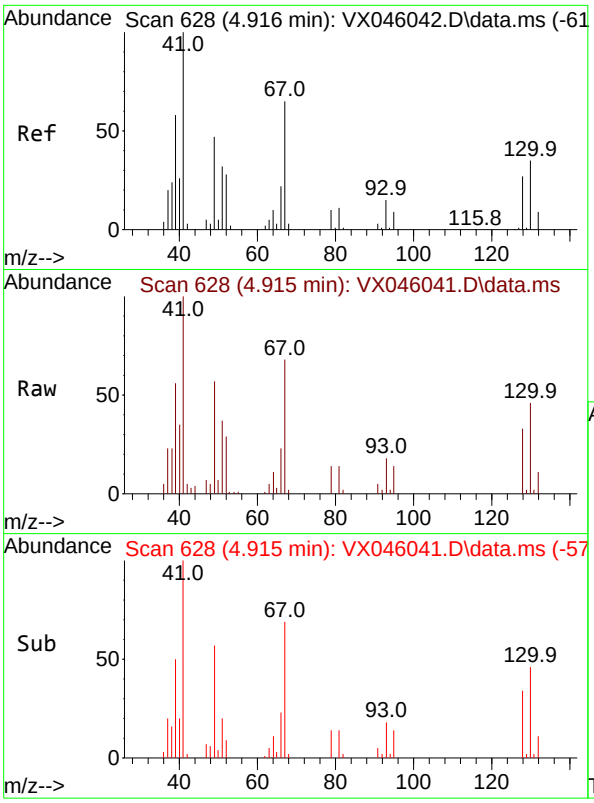


#40
Benzene
Concen: 14.140 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 78 Resp: 83898

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.4

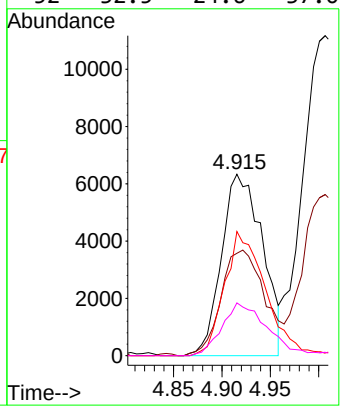




#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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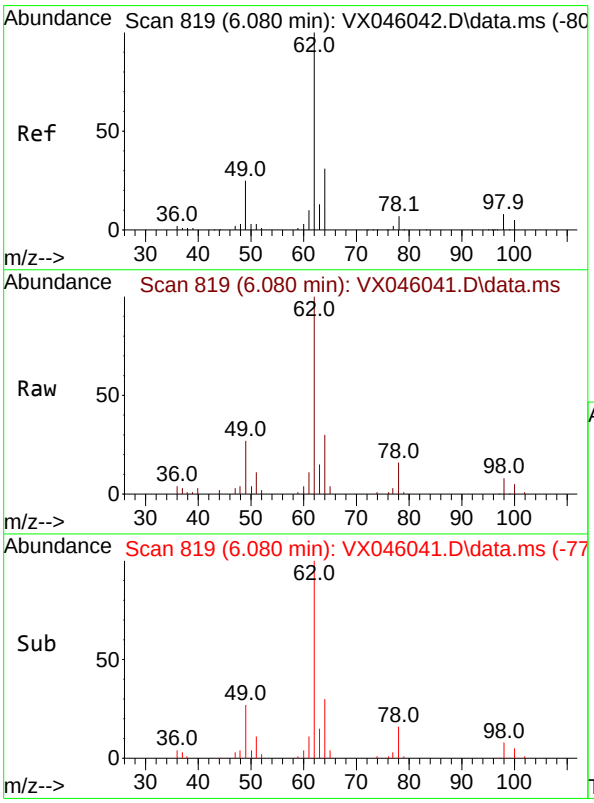
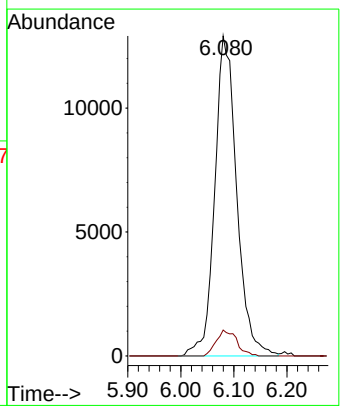
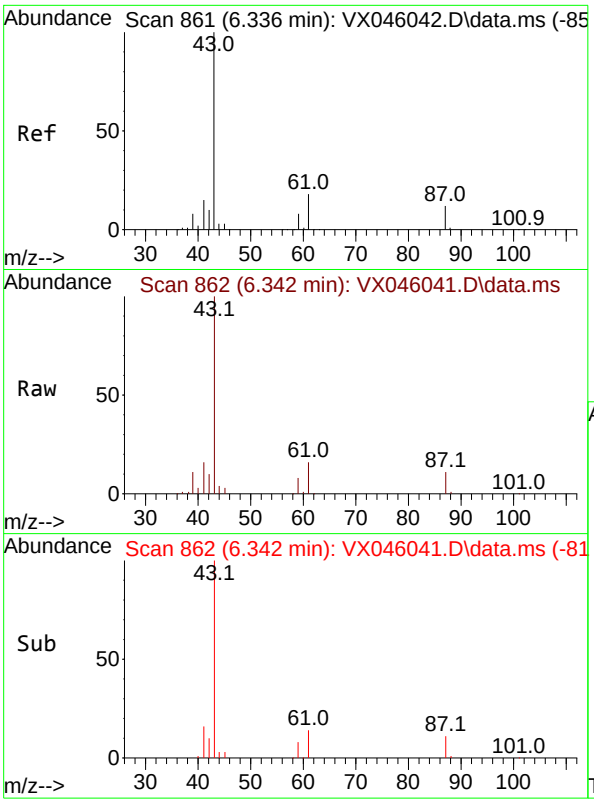


#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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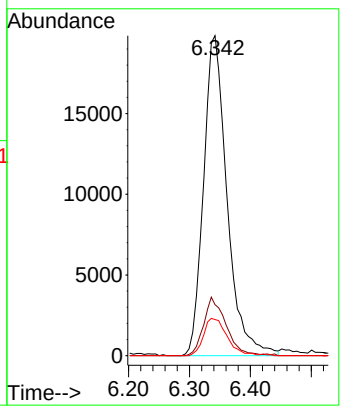
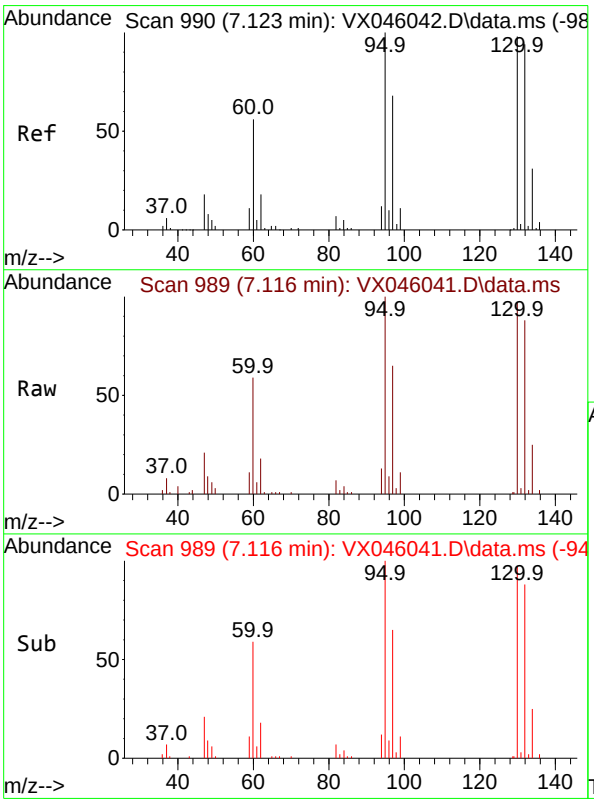
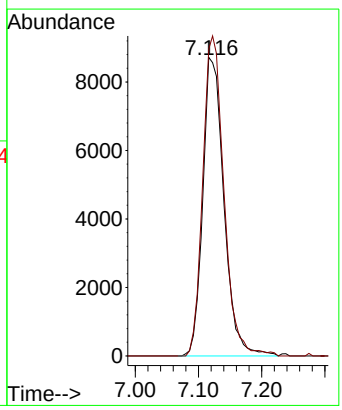


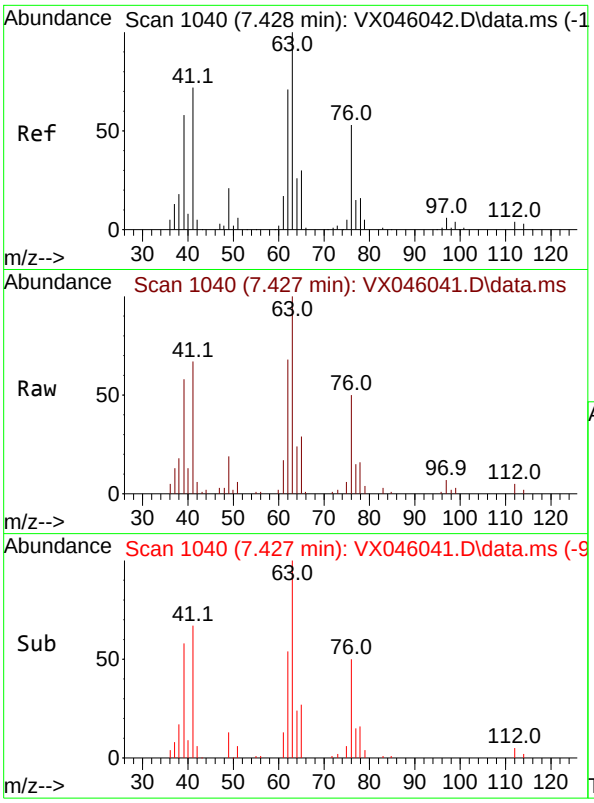


#44
Trichloroethene
Concen: 14.429 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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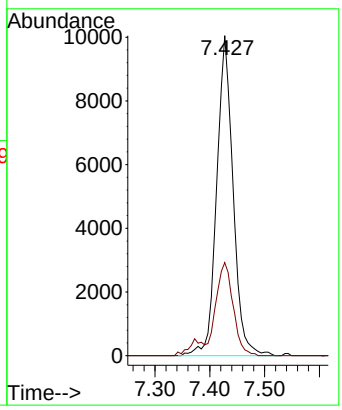
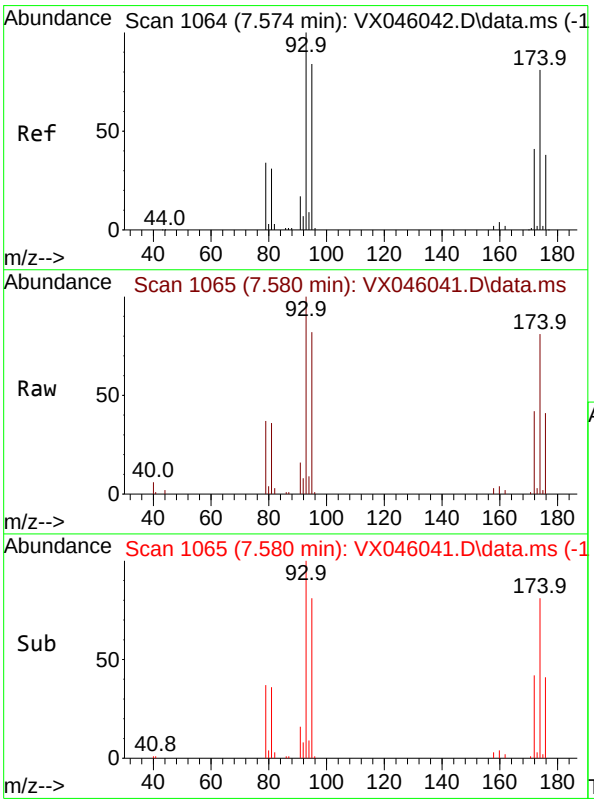
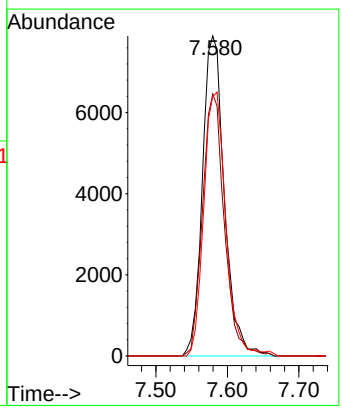


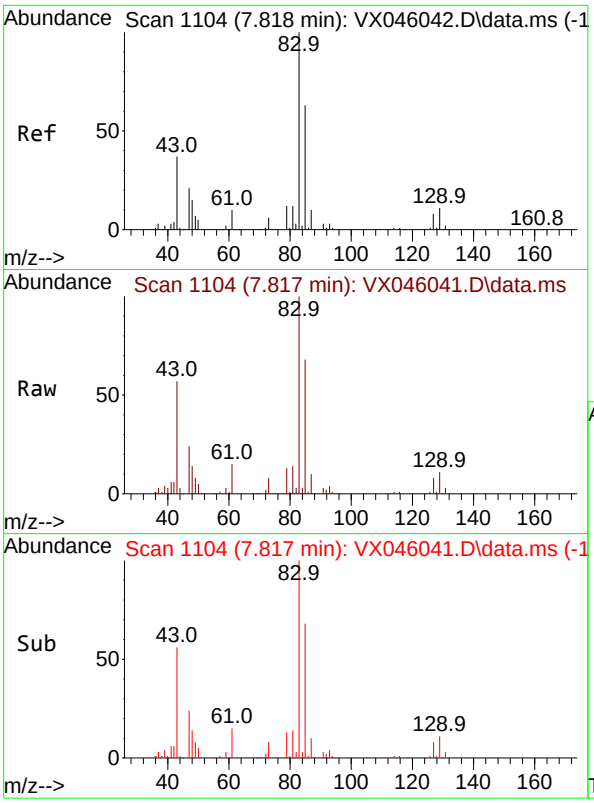


#46
Dibromomethane
Concen: 14.439 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

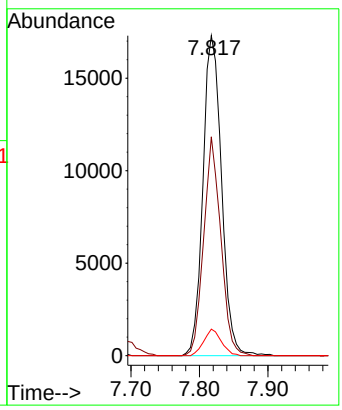




#47
Bromodichloromethane
Concen: 14.545 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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 :
VSTDICC020

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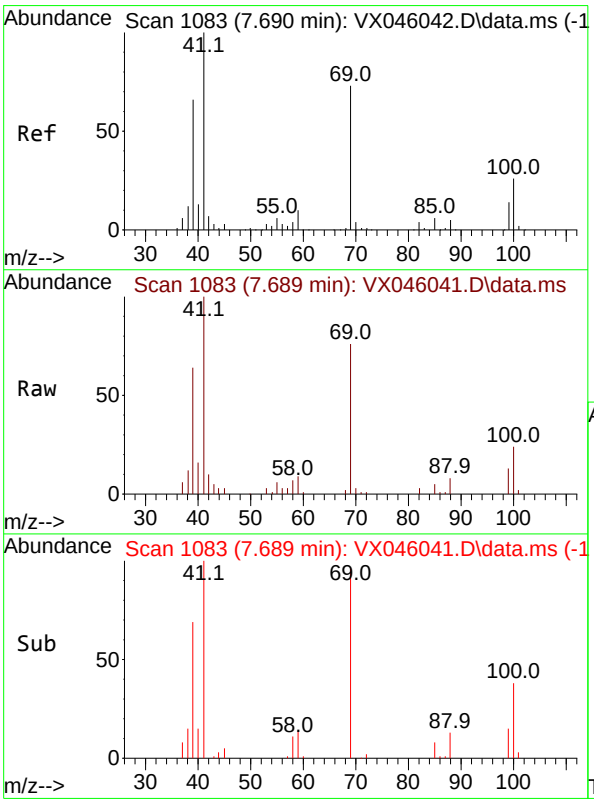
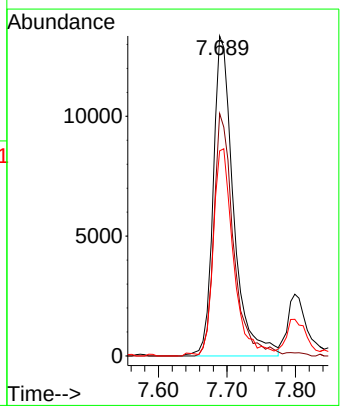
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

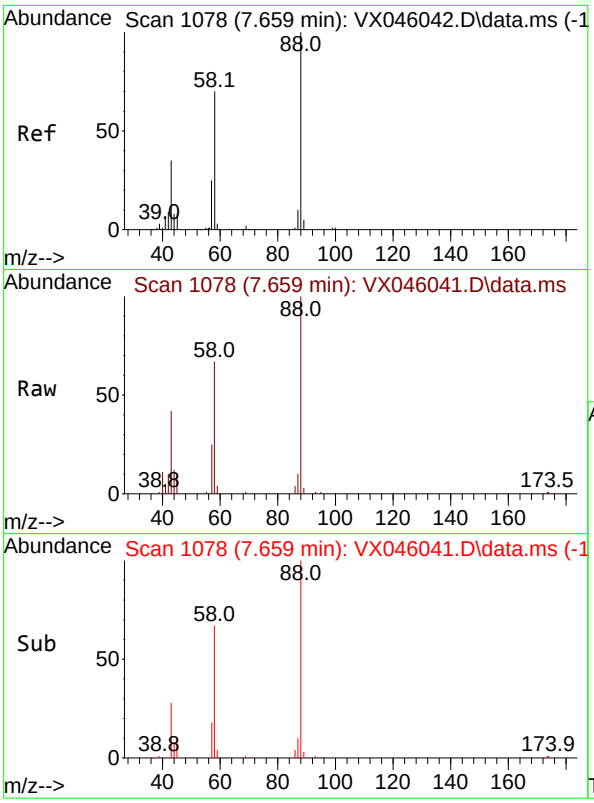


#48
Methyl methacrylate
Concen: 14.521 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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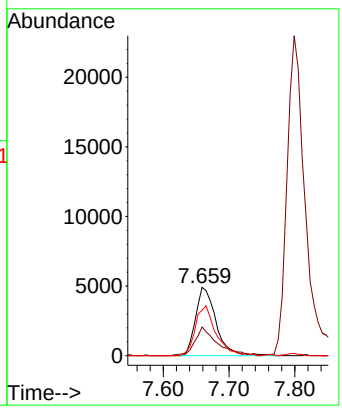
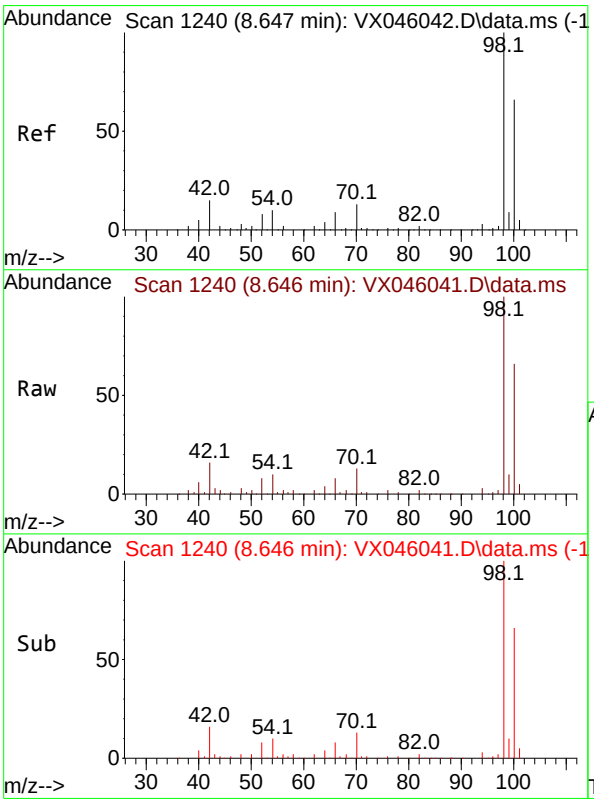
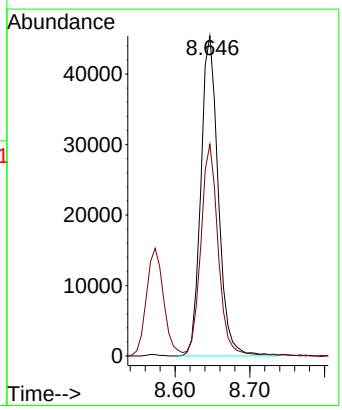


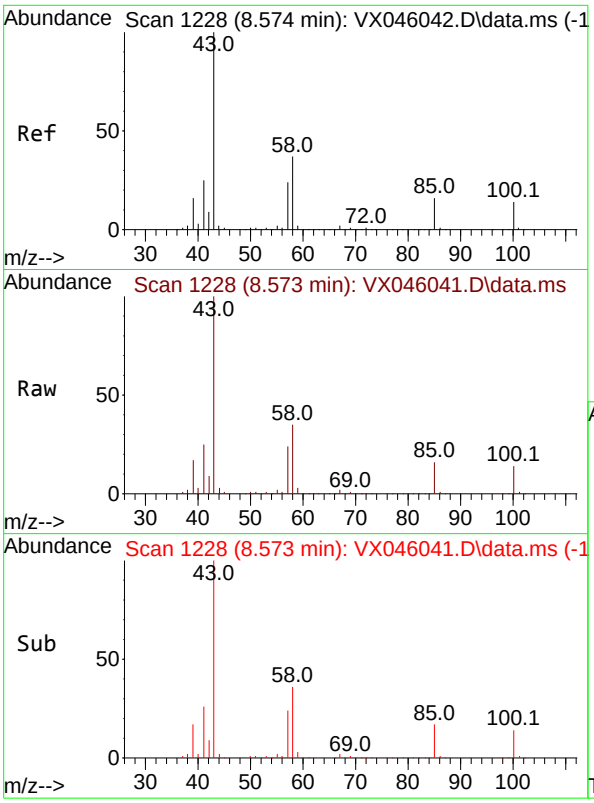


#50
Toluene-d8
Concen: 13.200 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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 :
VSTDICC020

Manual Integrations
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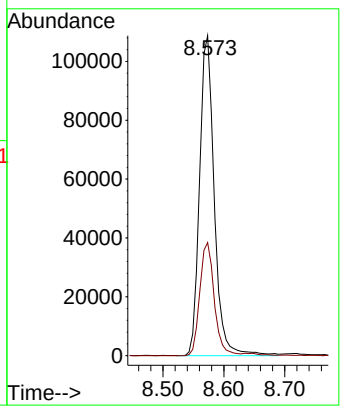
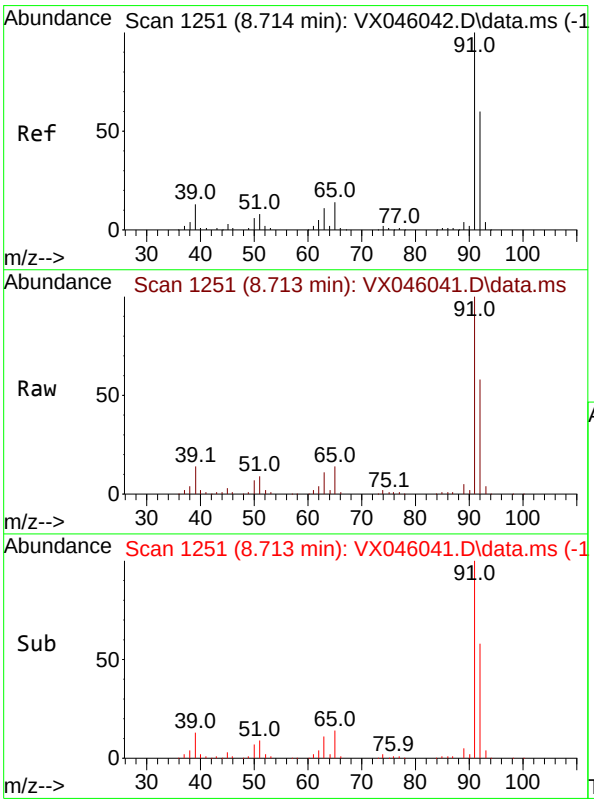
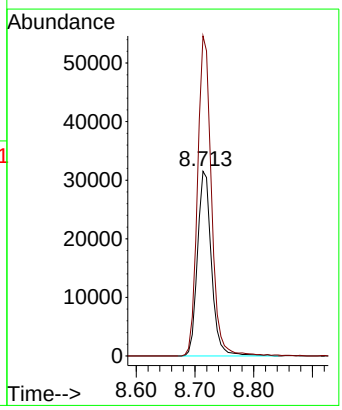


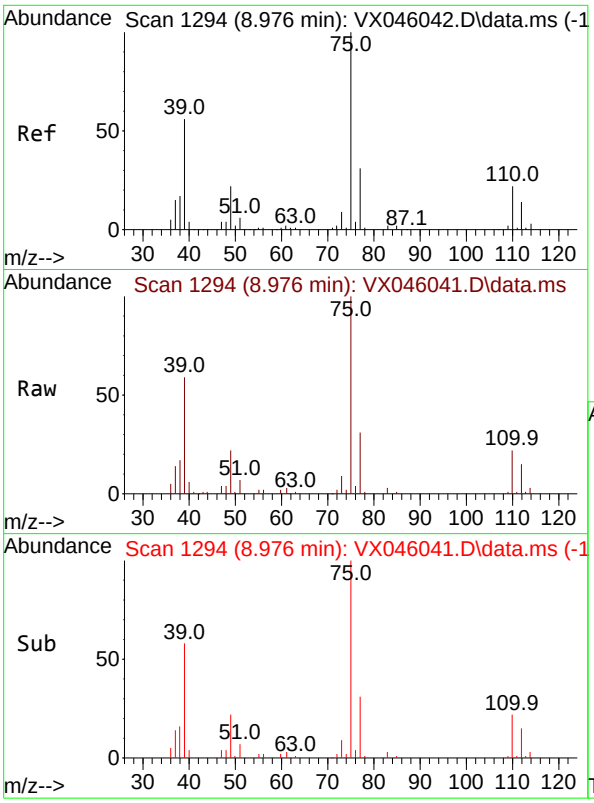


#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.6	205.0

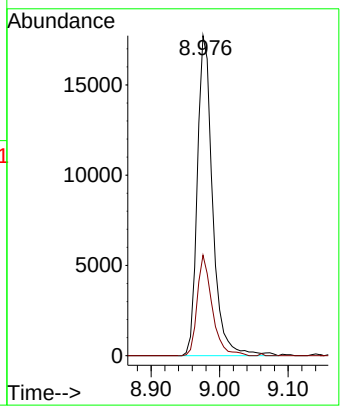




#53
t-1,3-Dichloropropene
Concen: 14.566 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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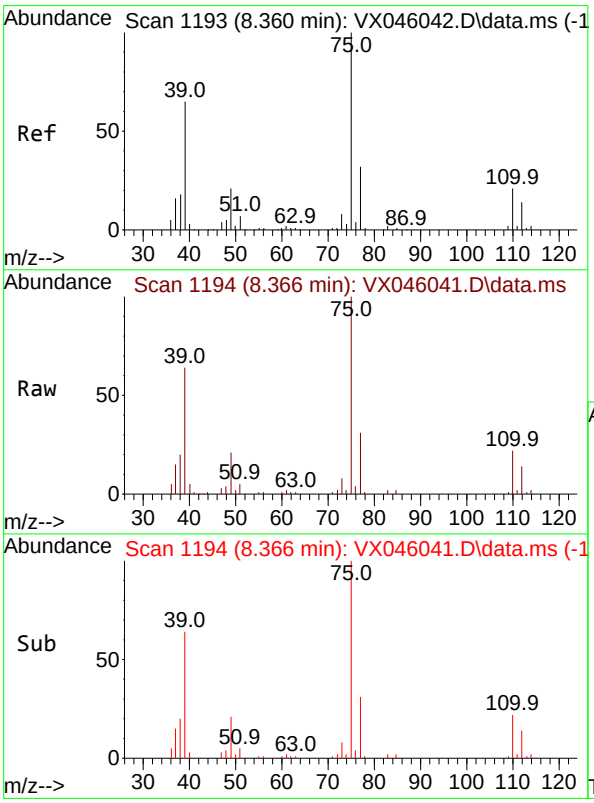
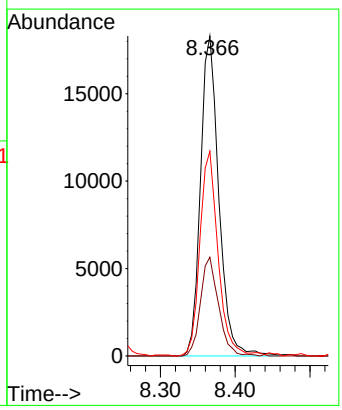
Supervised By :Mahesh Dadoda 05/06/2025

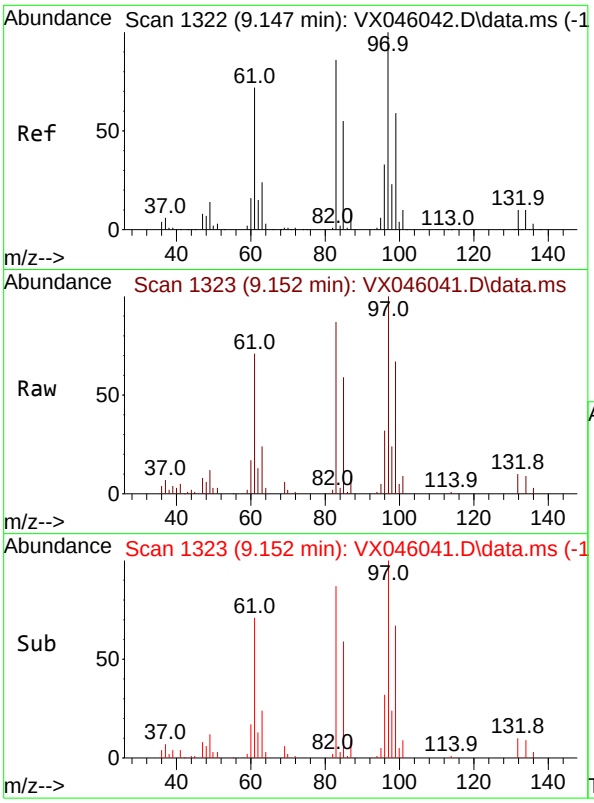


#54
cis-1,3-Dichloropropene
Concen: 14.154 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

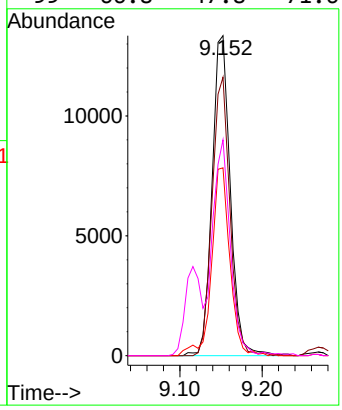




#55
1,1,2-Trichloroethane
Concen: 14.442 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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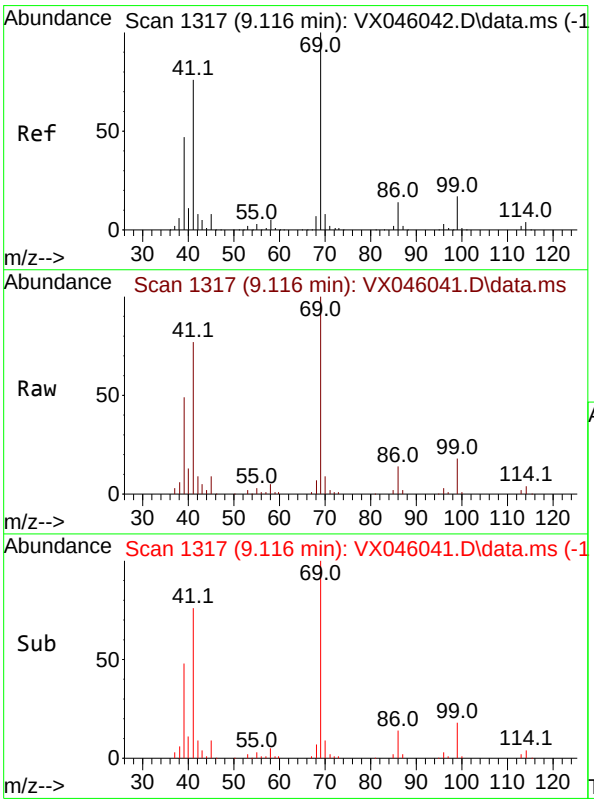
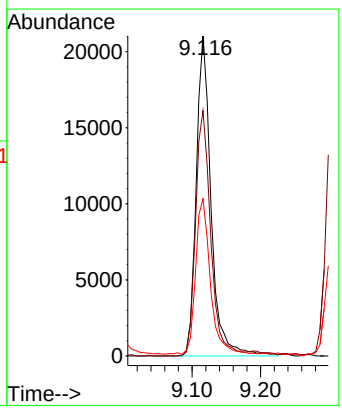
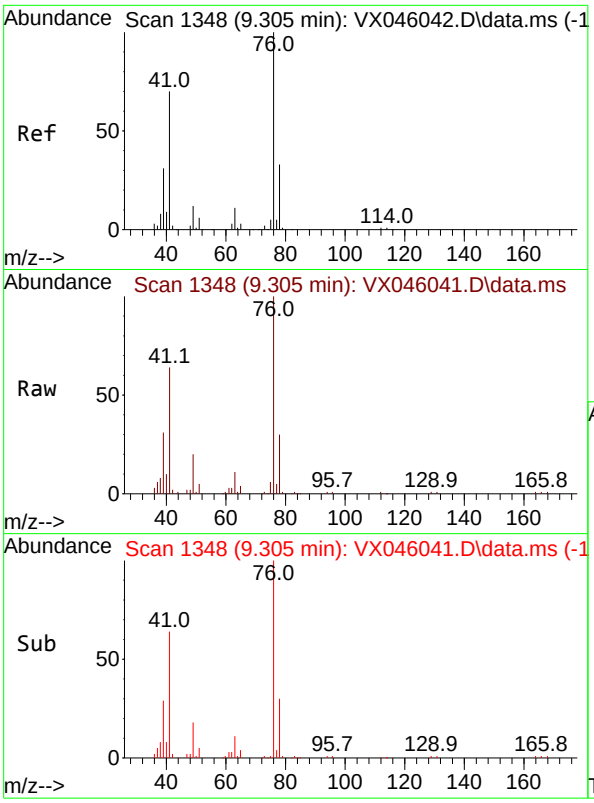


#56
Ethyl methacrylate
Concen: 14.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

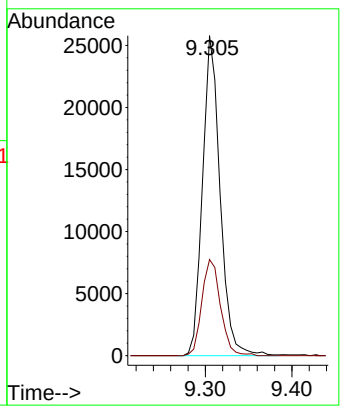




#57
1,3-Dichloropropane
Concen: 14.417 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 76 Resp: 3634

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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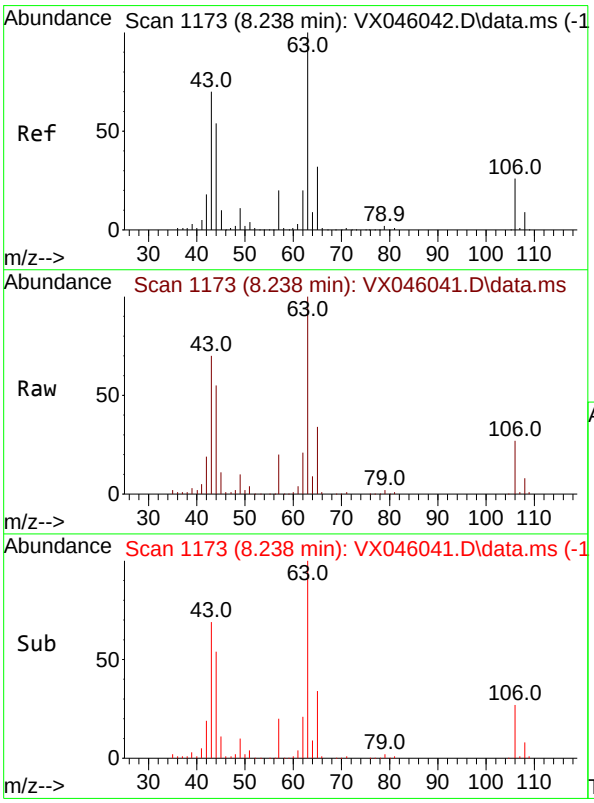
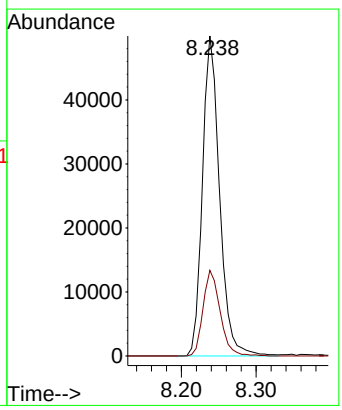
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

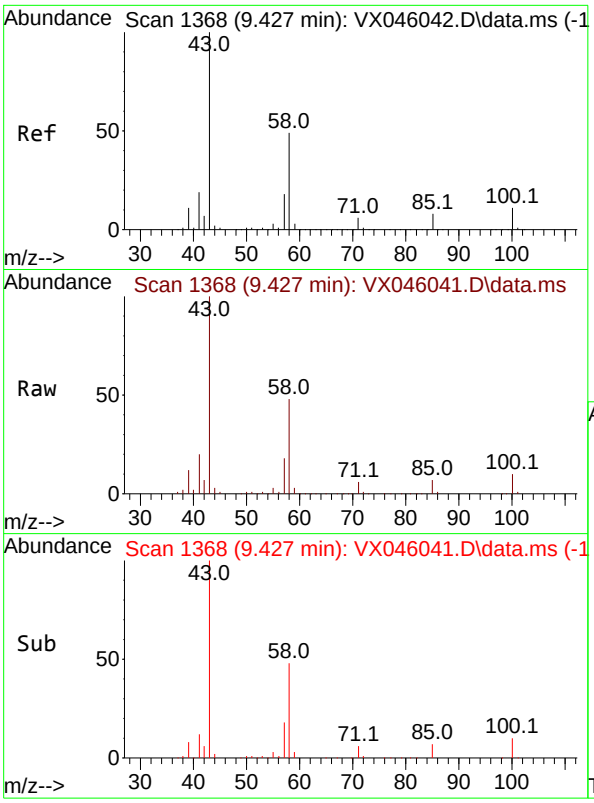


#58
2-Chloroethyl Vinyl ether
Concen: 80.312 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

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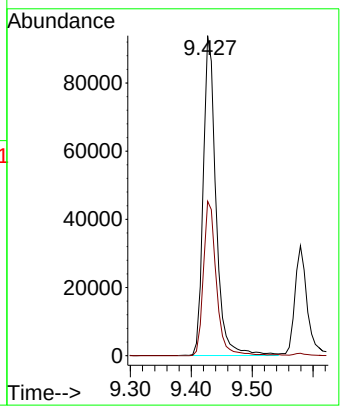
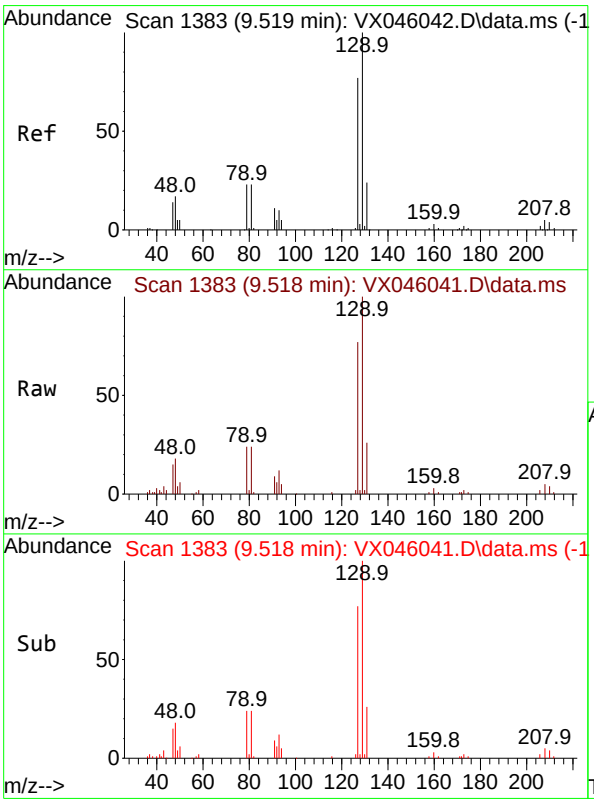
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

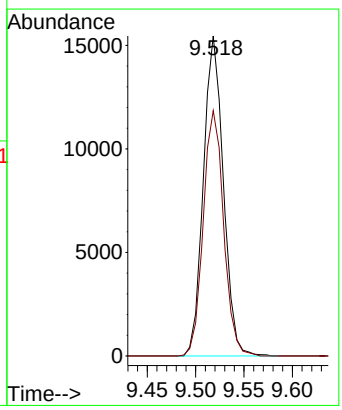


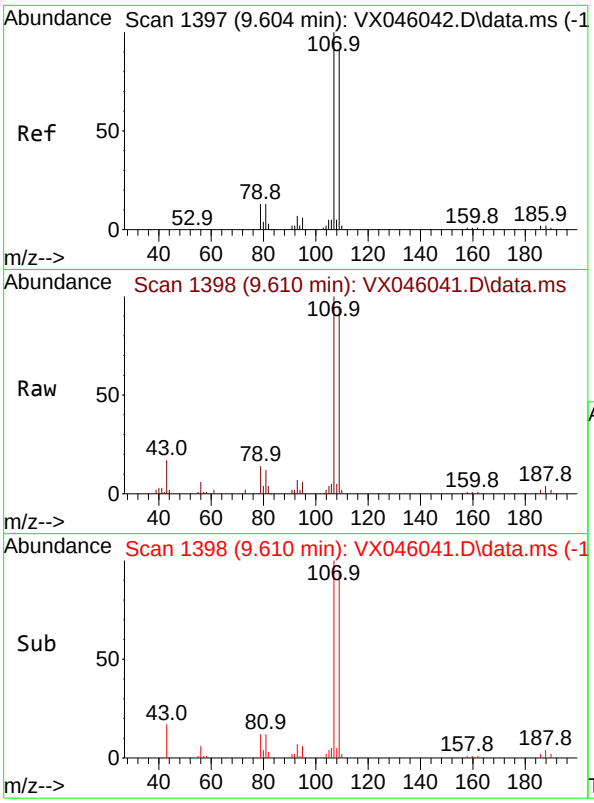


#60
Dibromochloromethane
Concen: 14.387 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

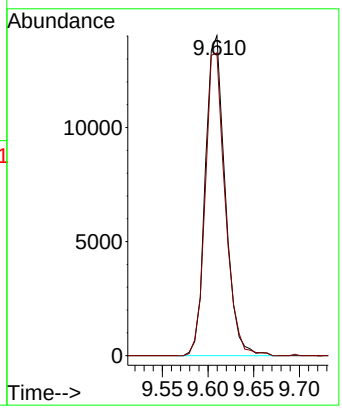
Tgt Ion:107 Resp: 2111

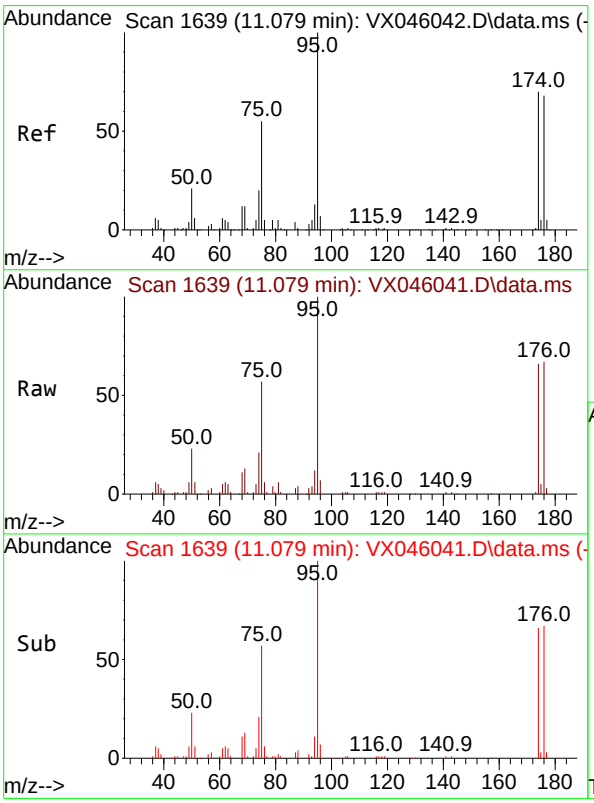
Ion	Ratio	Lower	Upper
107	100		
109	95.3	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

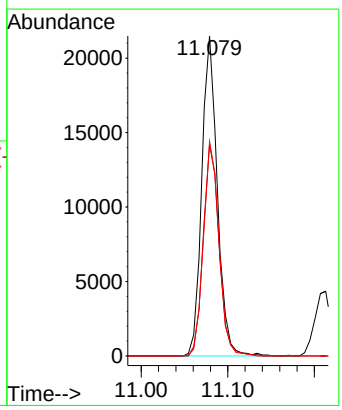


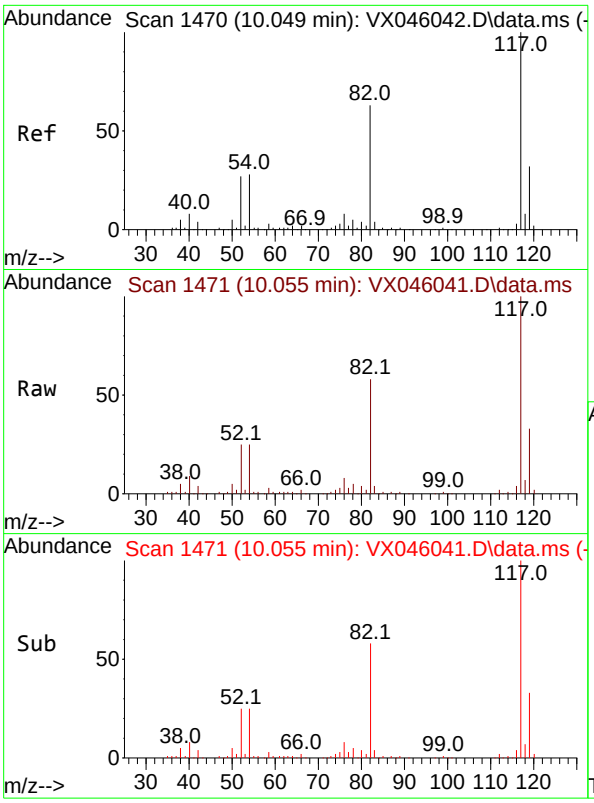


#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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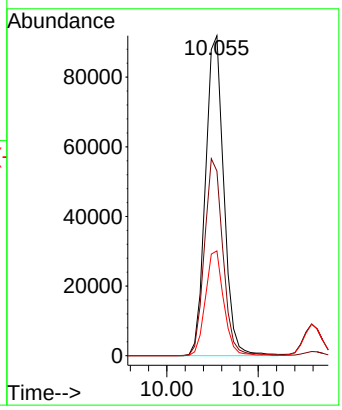
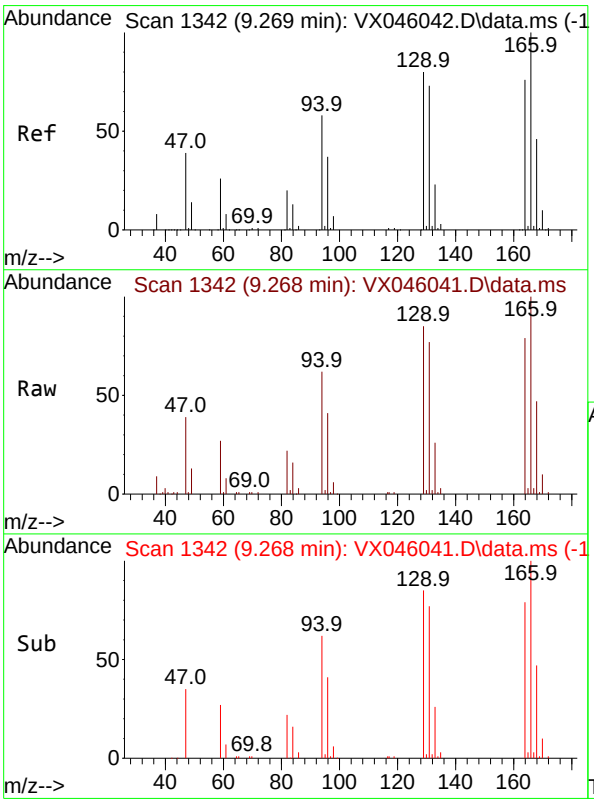
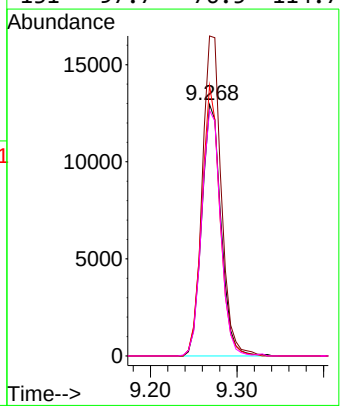


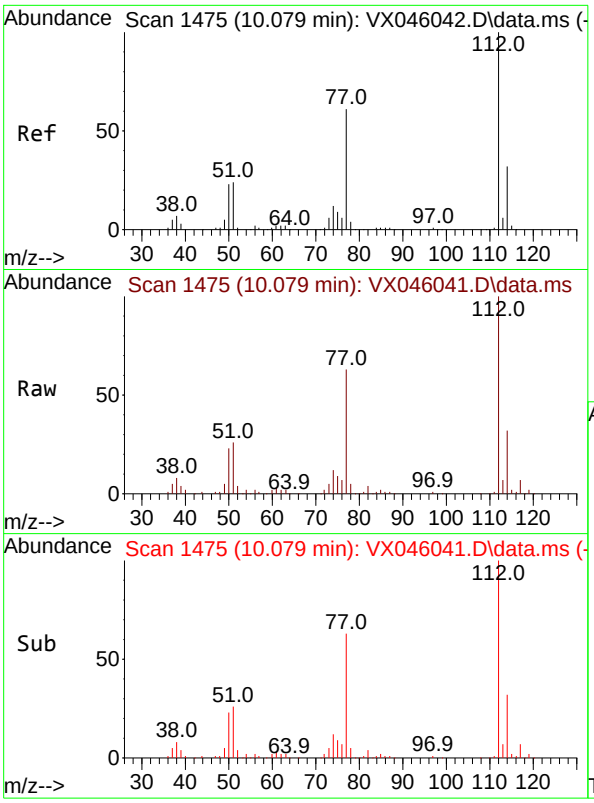


#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

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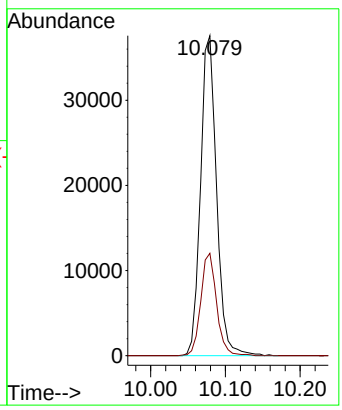
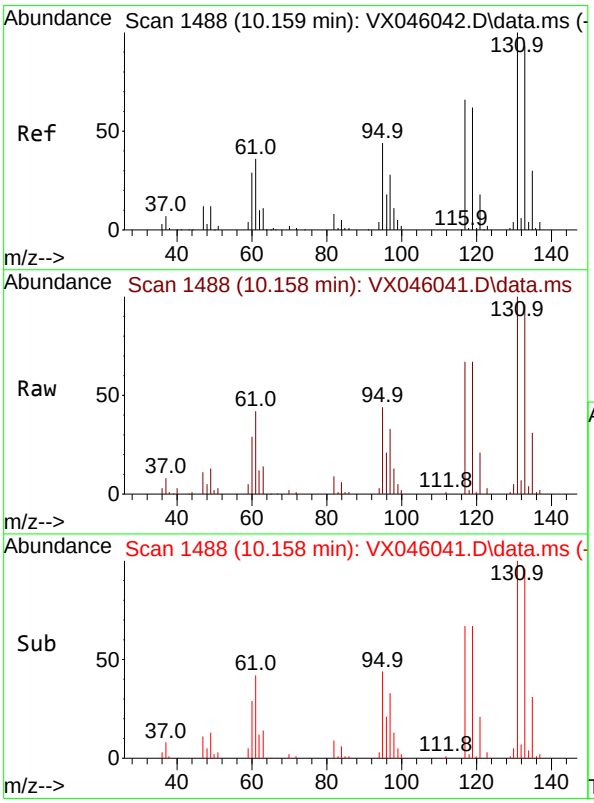
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

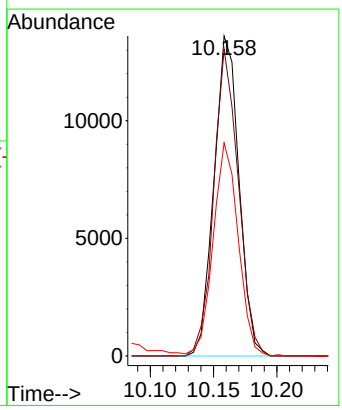


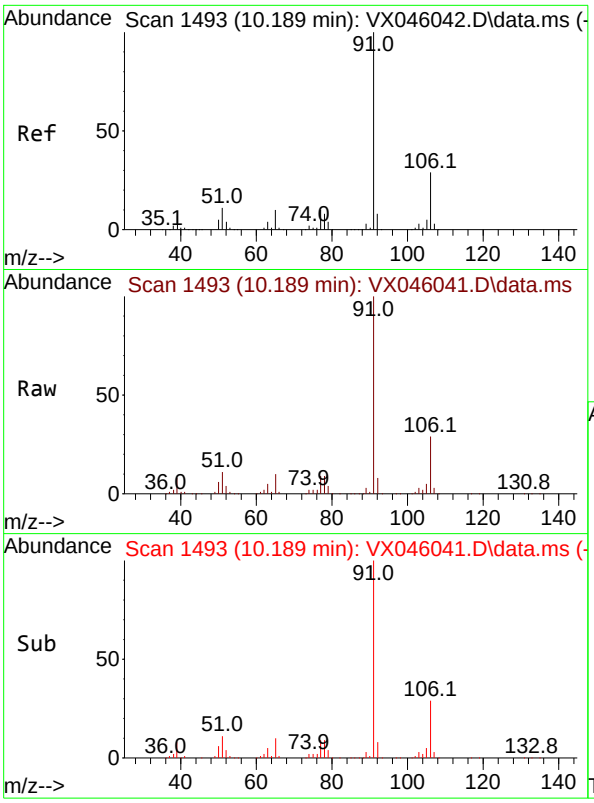


#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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 :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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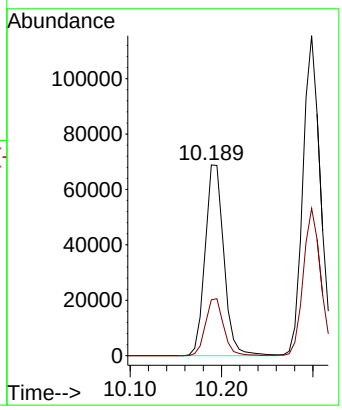
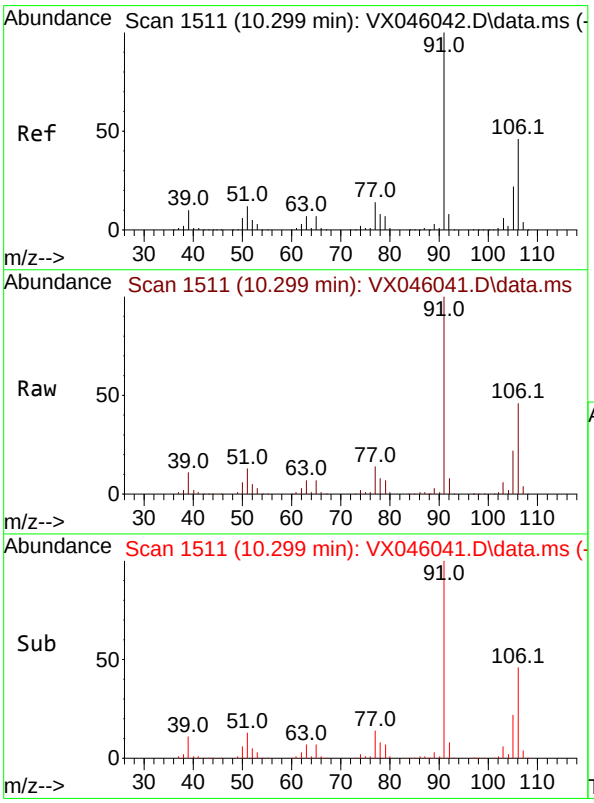
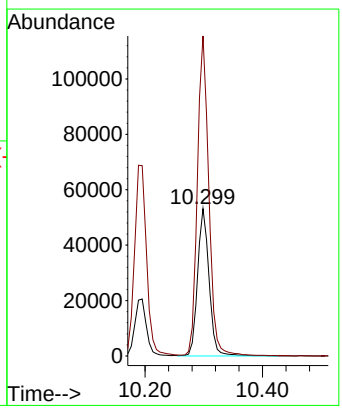


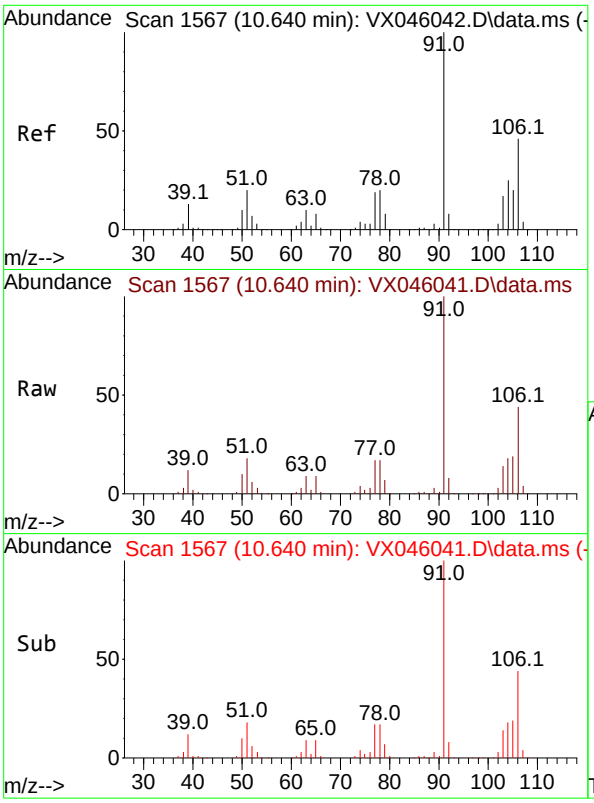


#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202

Ion	Ratio	Lower	Upper
106	100		
91	216.1	171.2	256.8

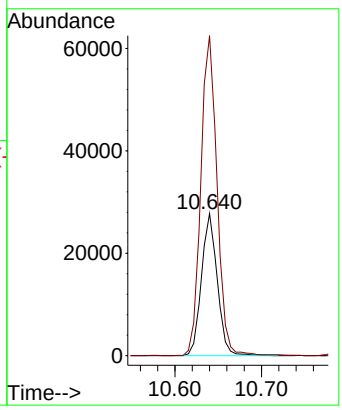




#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 3517

Ion	Ratio	Lower	Upper
106	100		
91	231.7	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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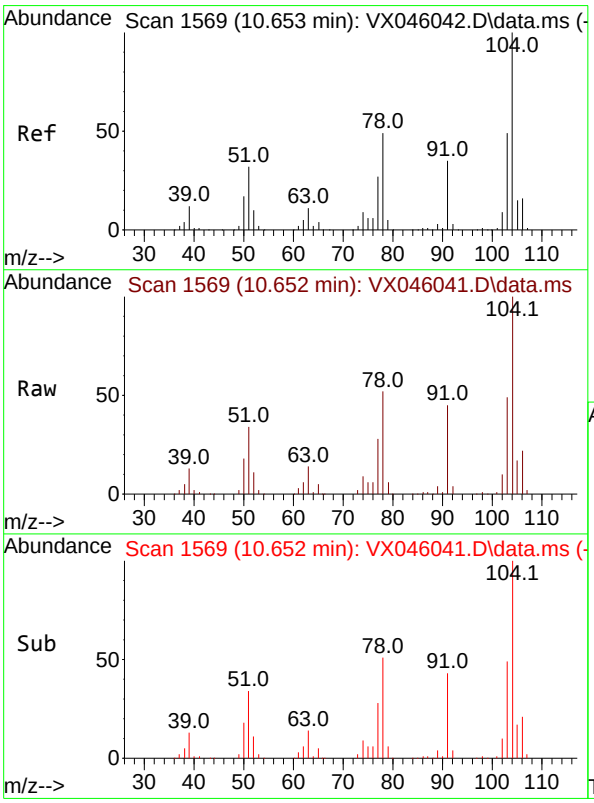
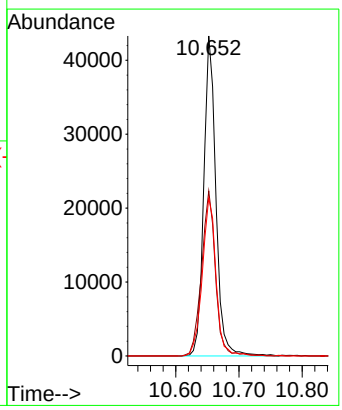
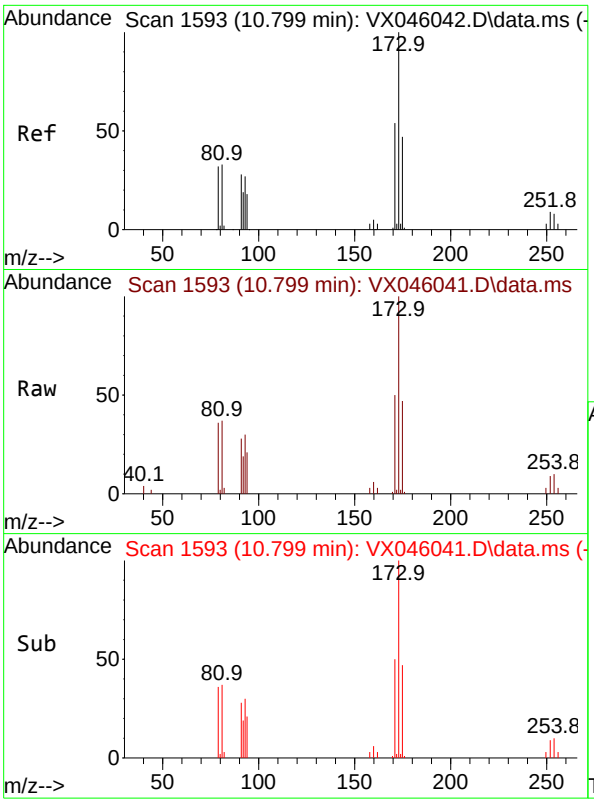


#70
Styrene
Concen: 14.853 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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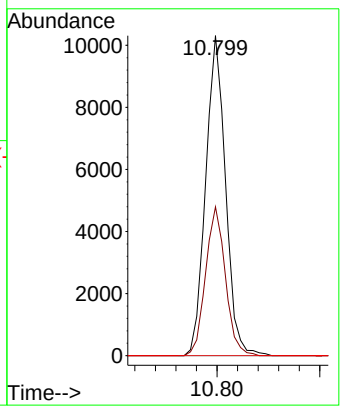
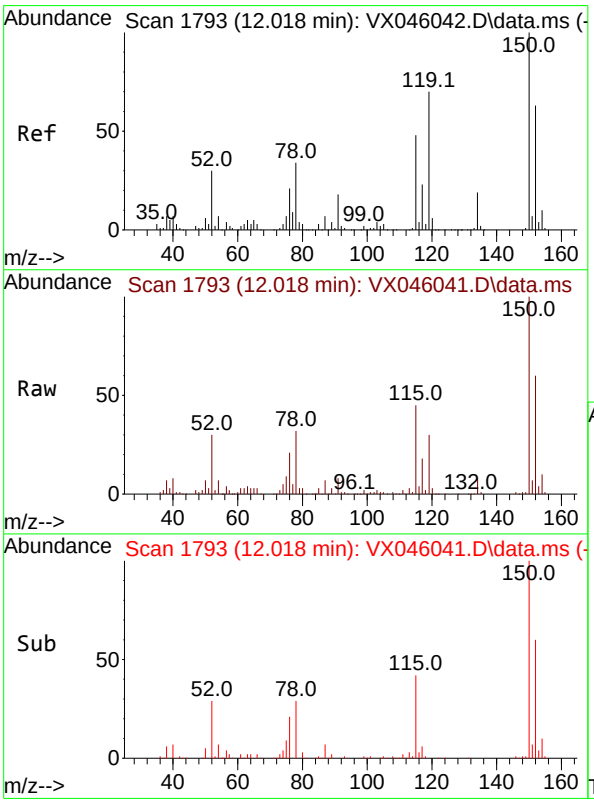
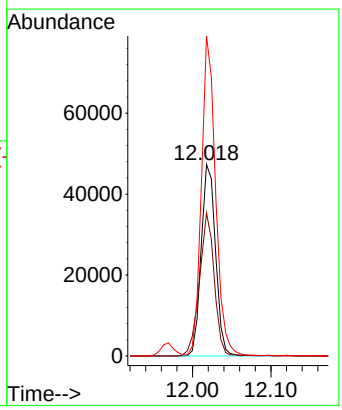


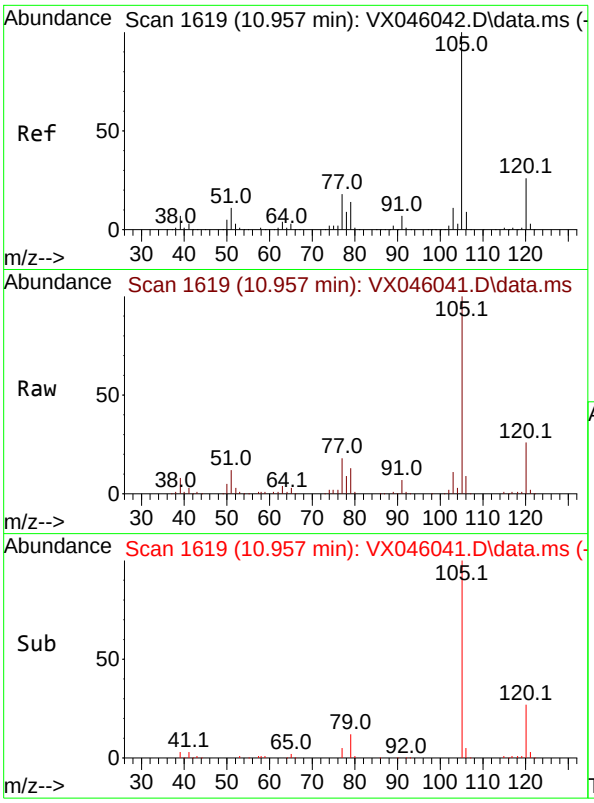


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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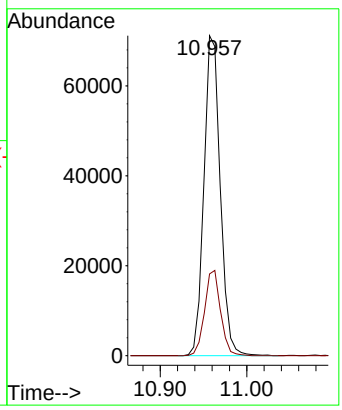
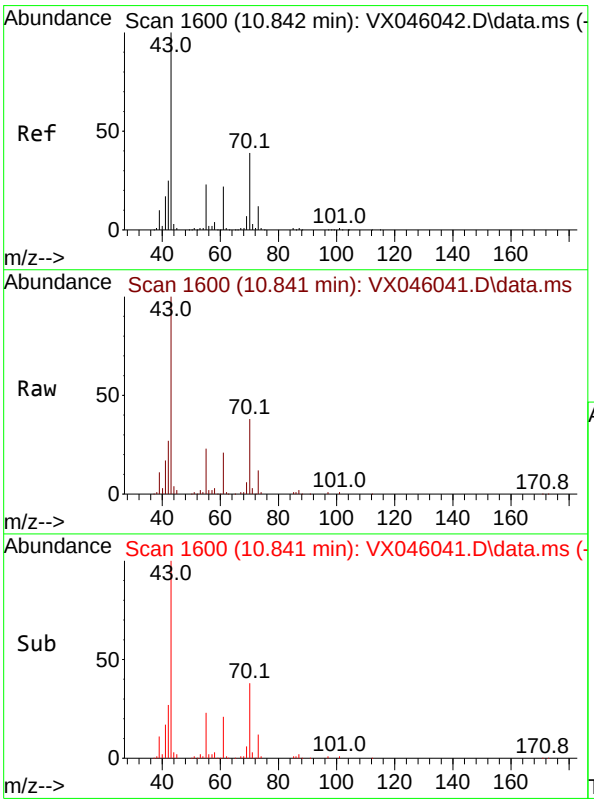
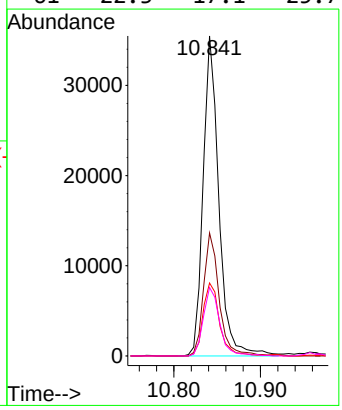


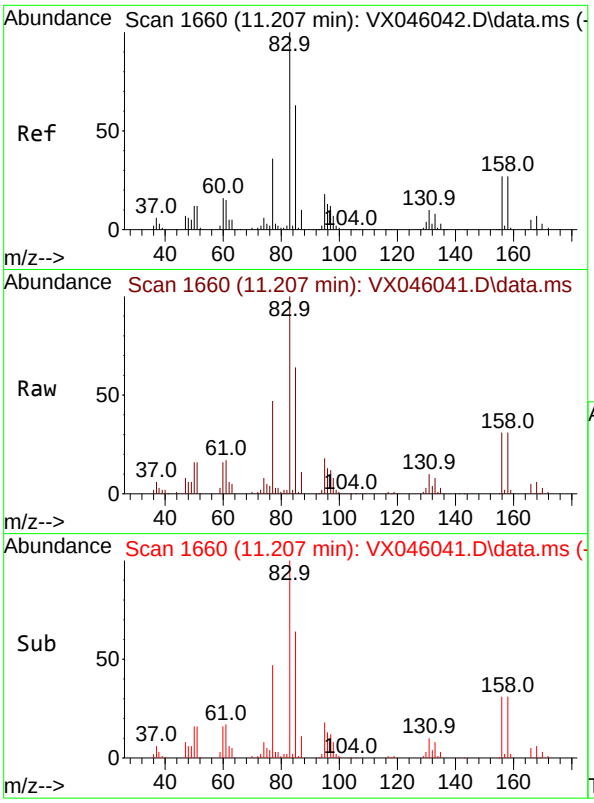


#74
N-amyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

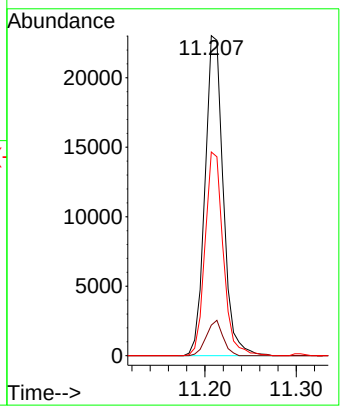




#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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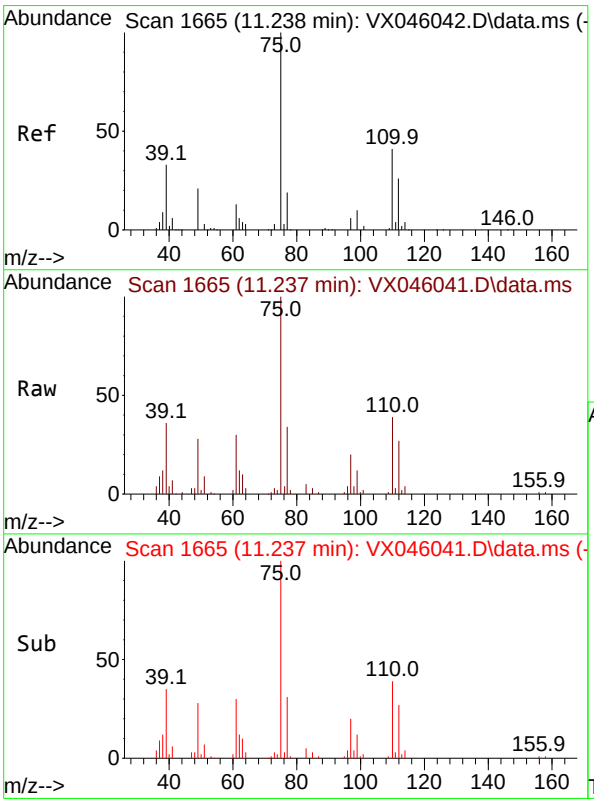
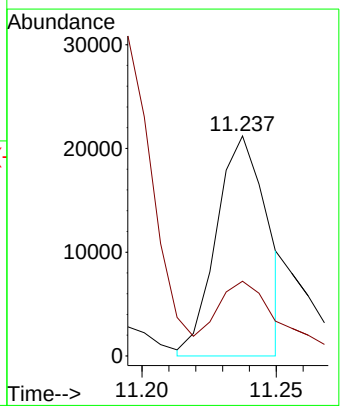
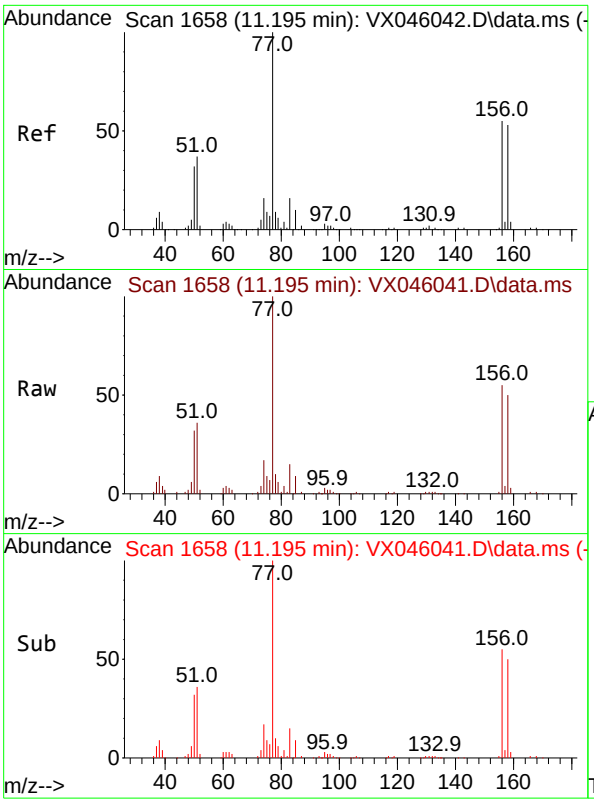


#76
1,2,3-Trichloropropane
Concen: 11.039 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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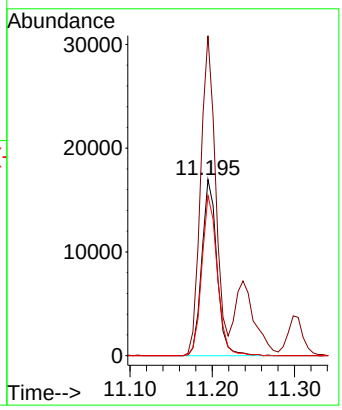
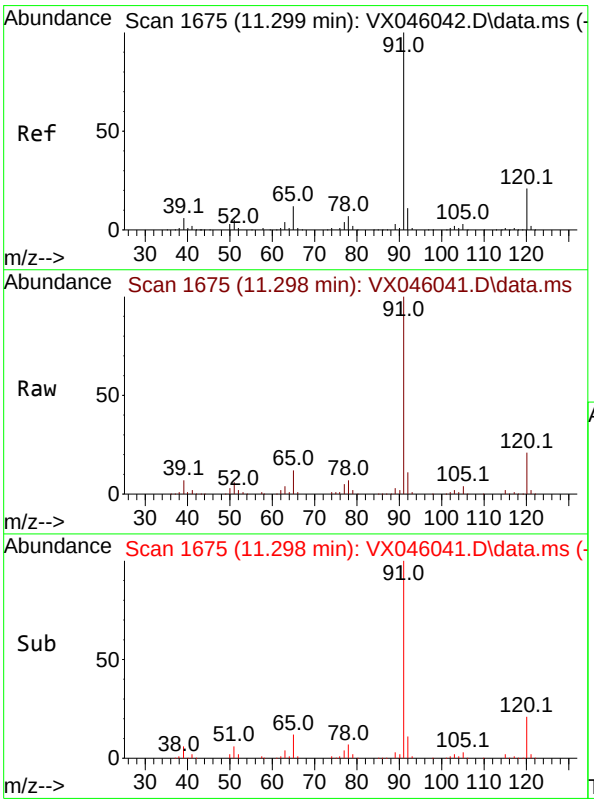
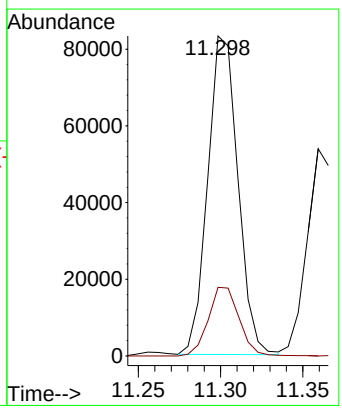


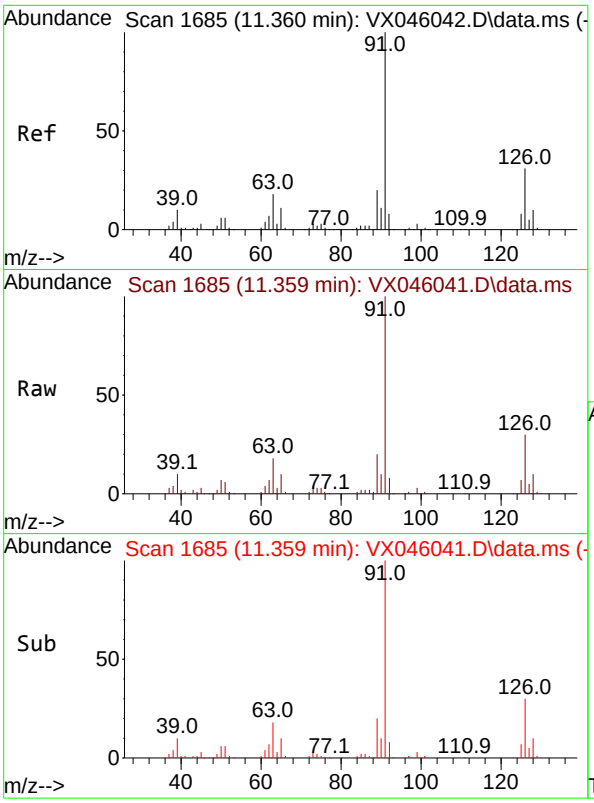


#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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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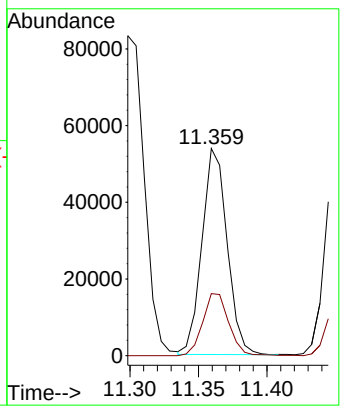
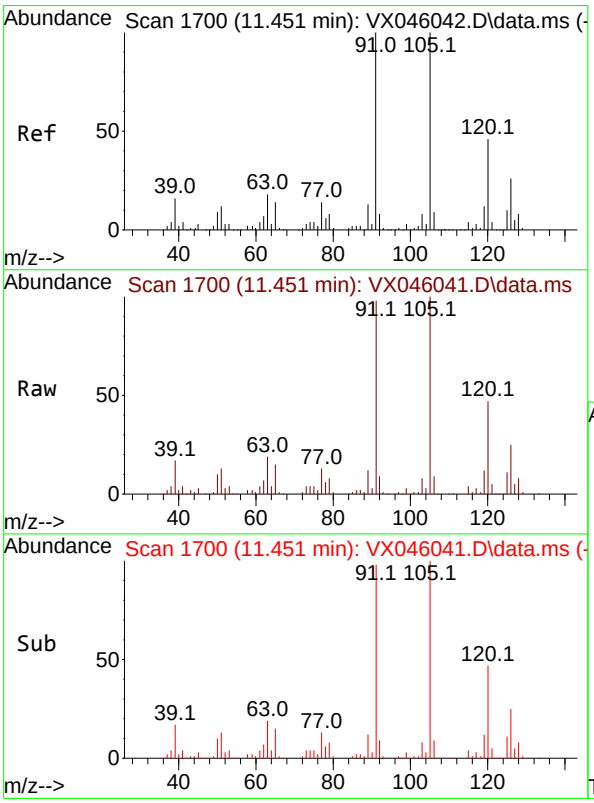
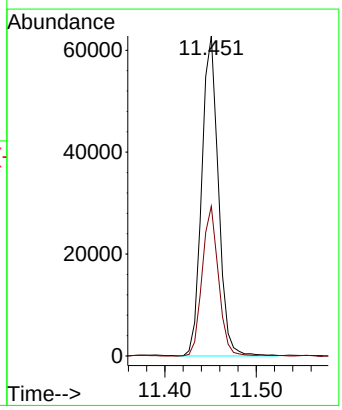


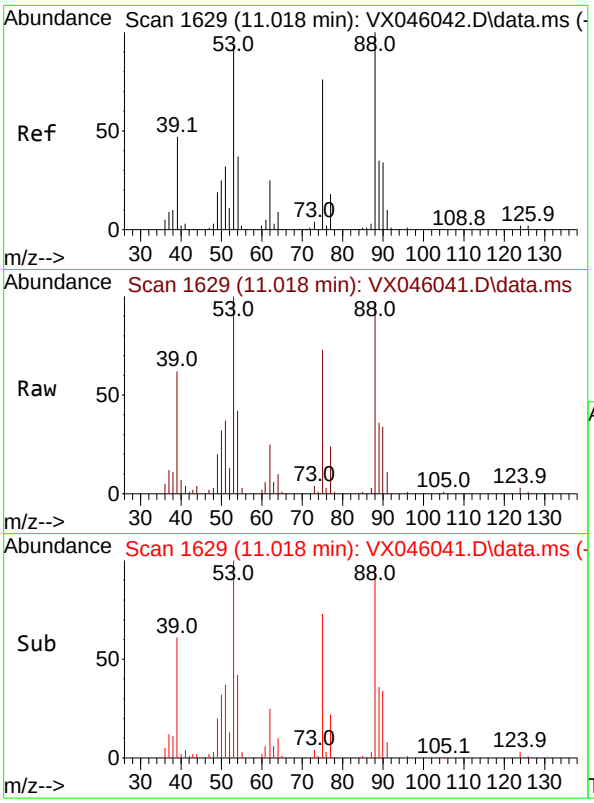


#80
1,3,5-Trimethylbenzene
Concen: 14.468 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79261

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2

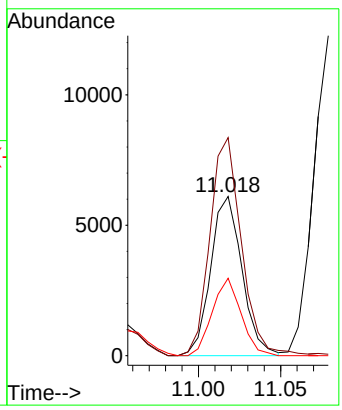




#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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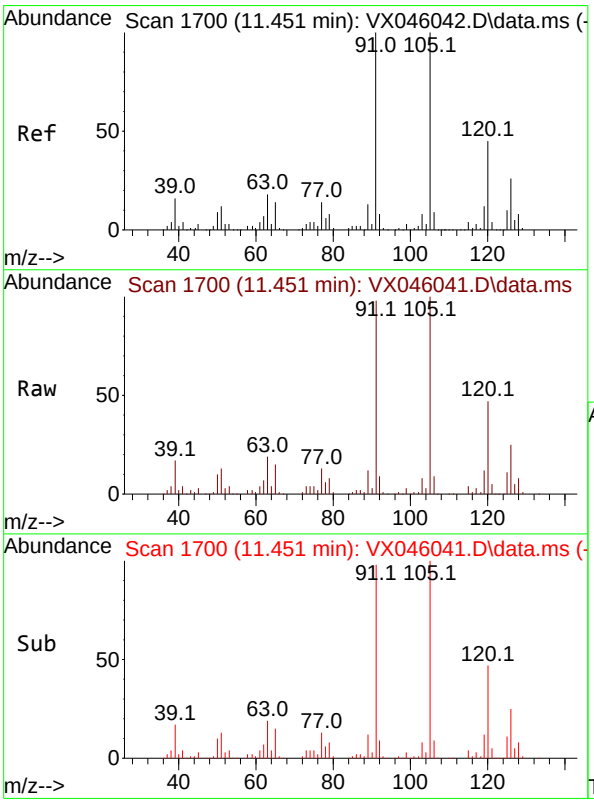
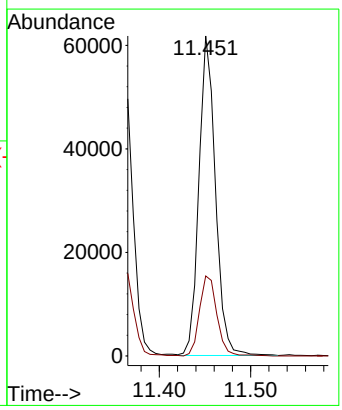
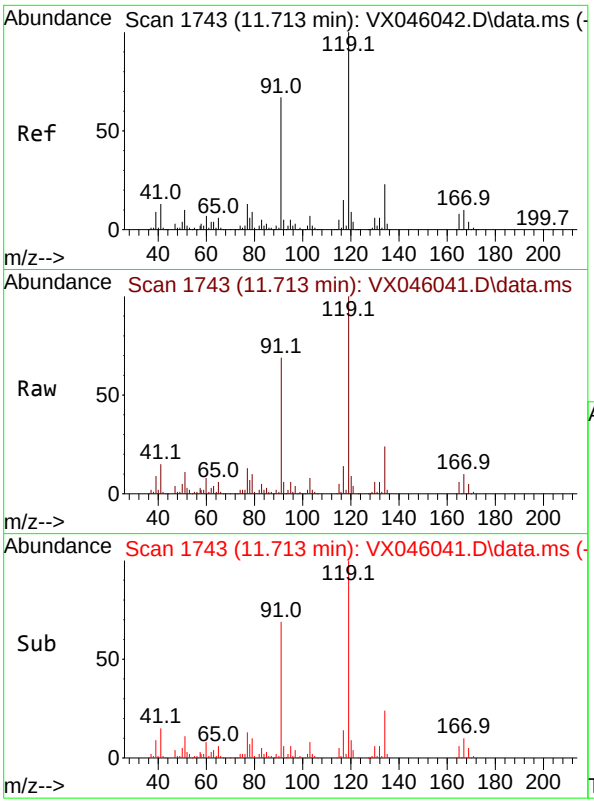


#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

Manual Integrations
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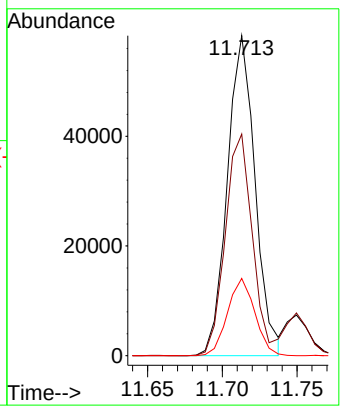
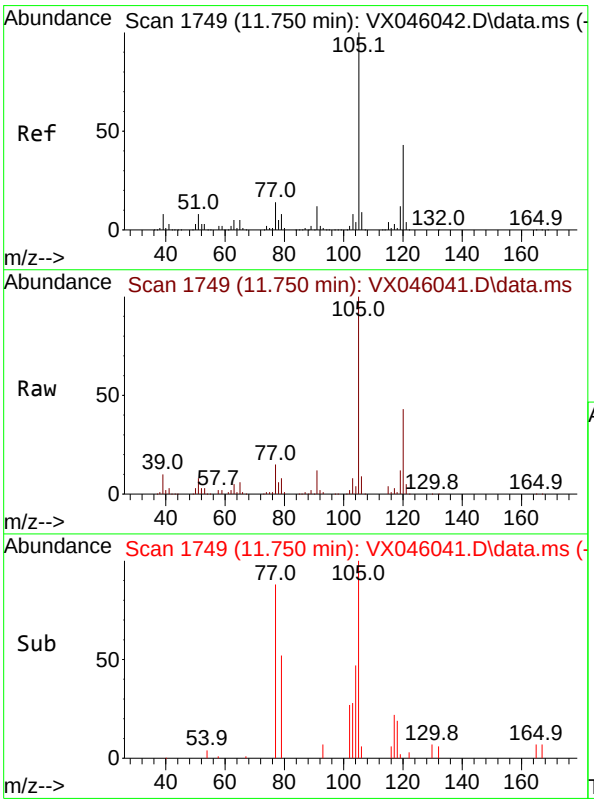
Supervised By :Mahesh Dadoda 05/06/2025

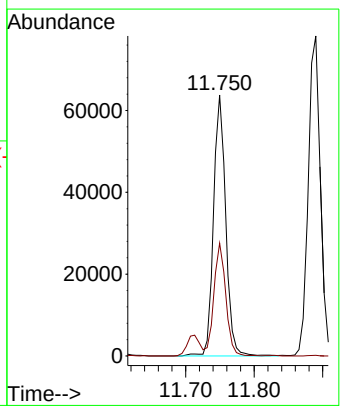


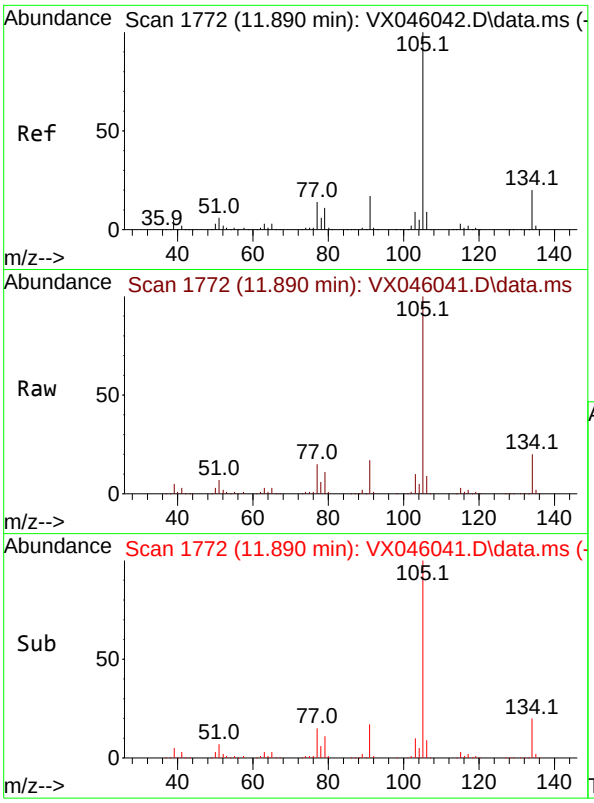


#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79232

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.2	63.6

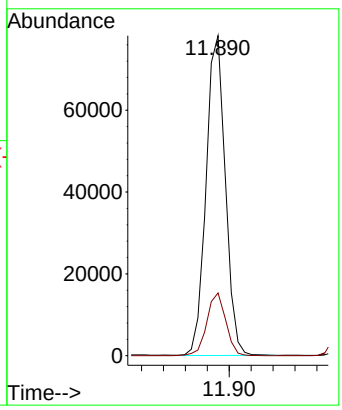




#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 9527

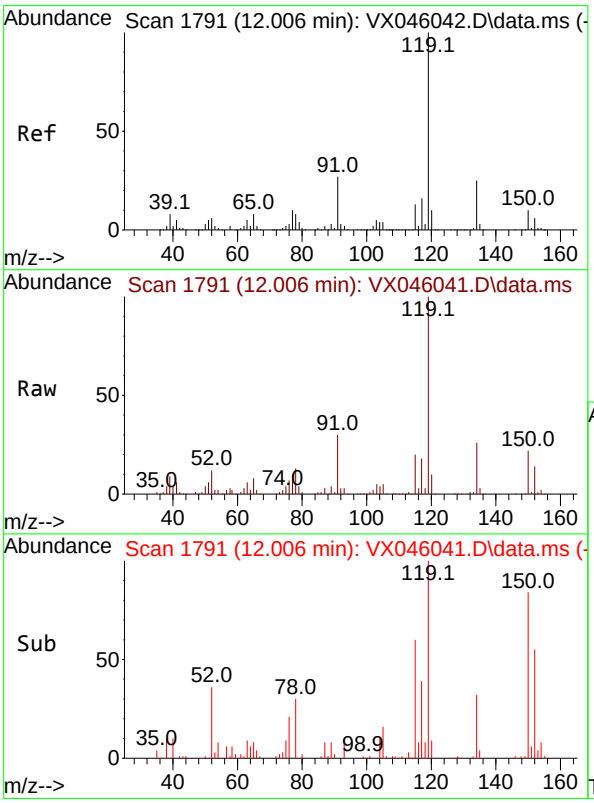
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

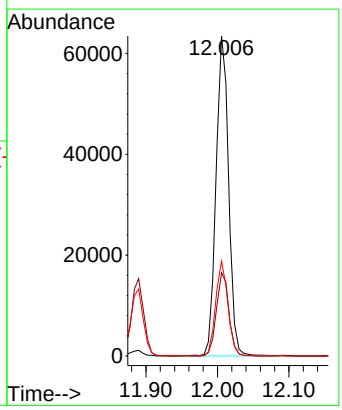
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

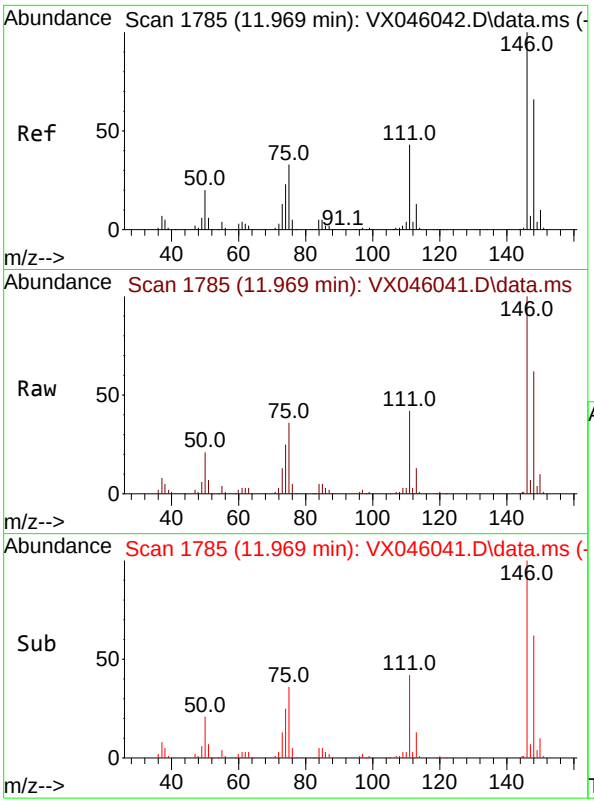


#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

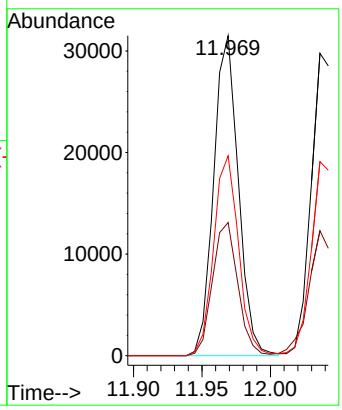




#87
1,3-Dichlorobenzene
Concen: 13.898 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3952

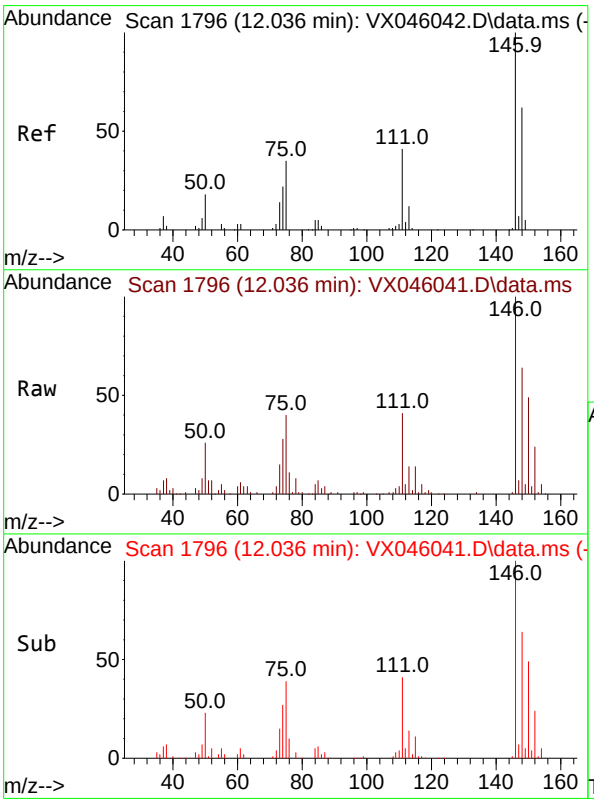
Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.1	66.3
148	62.9	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

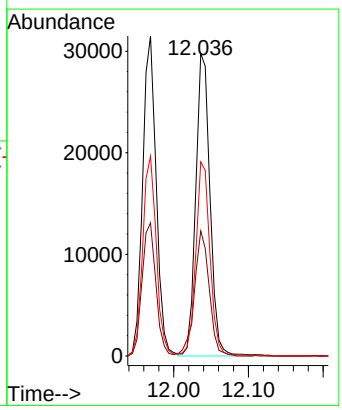
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

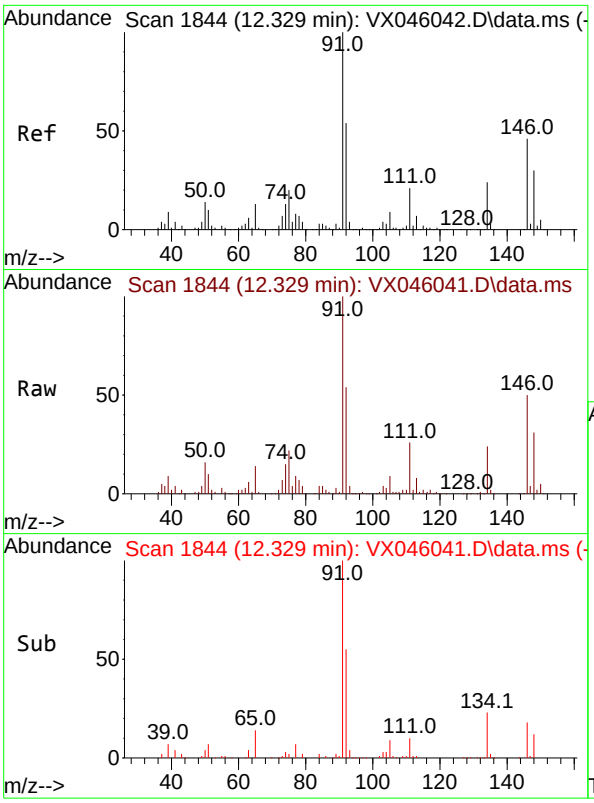


#88
1,4-Dichlorobenzene
Concen: 14.146 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

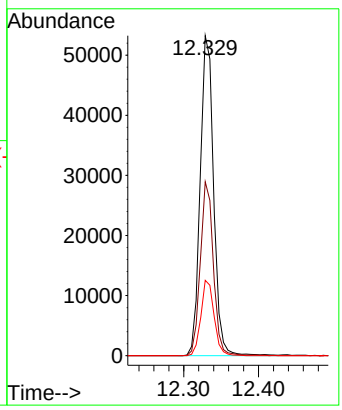
Tgt Ion: 91 Resp: 6650

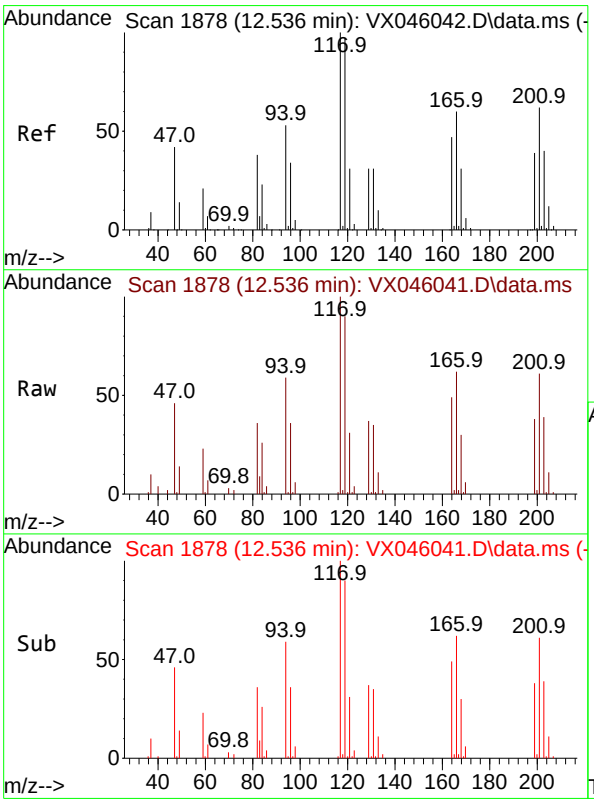
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.7
134	23.1	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

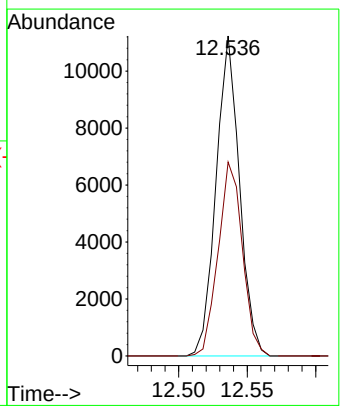


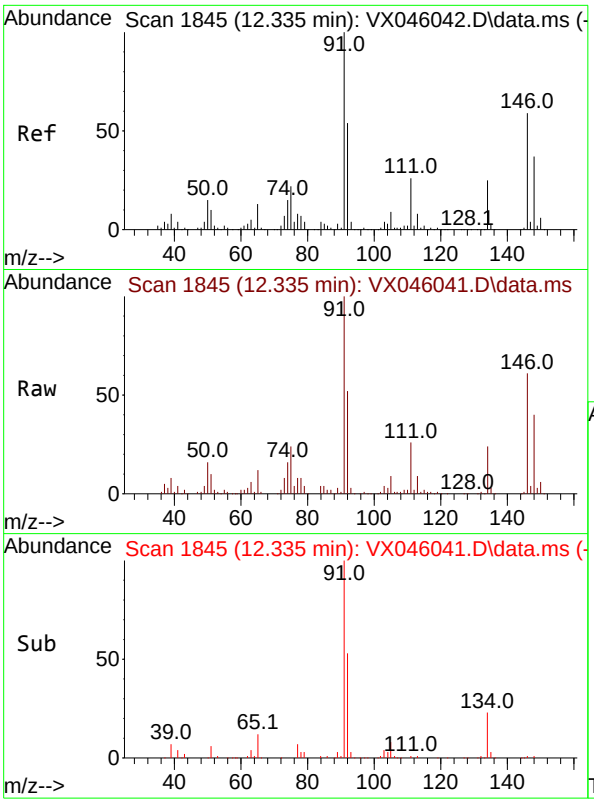


#90
Hexachloroethane
Concen: 13.287 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 13332

Ion	Ratio	Lower	Upper
117	100		
201	62.9	31.6	94.7

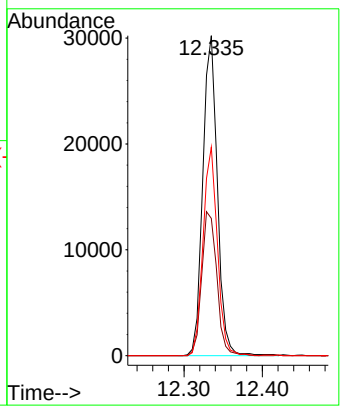




#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3903

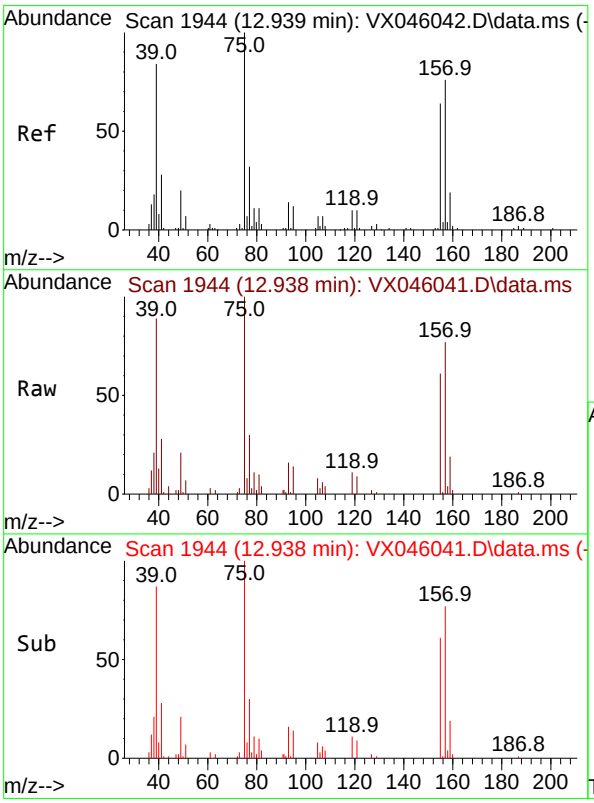
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

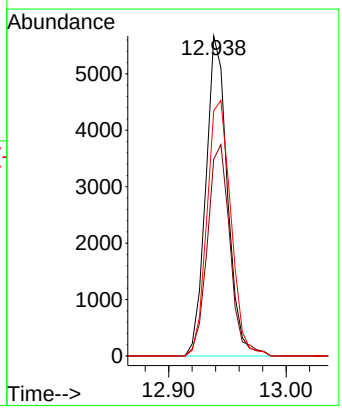
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

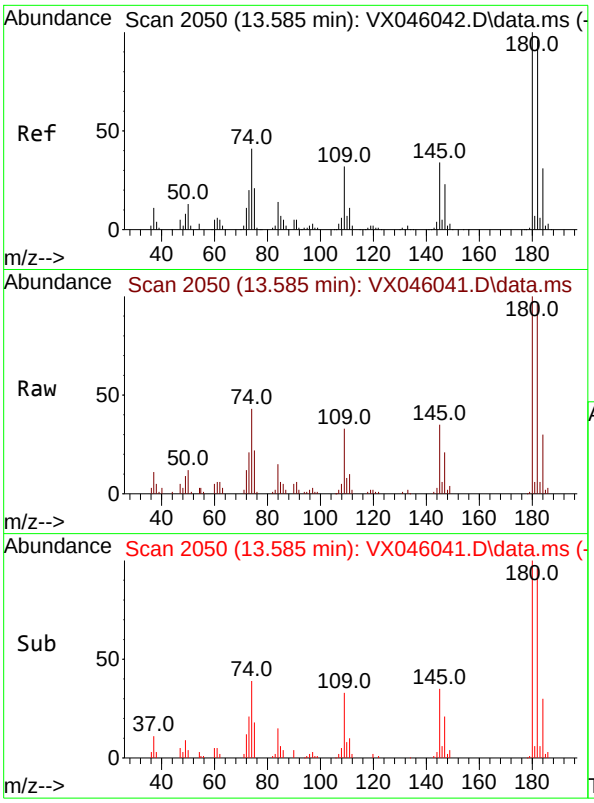


#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

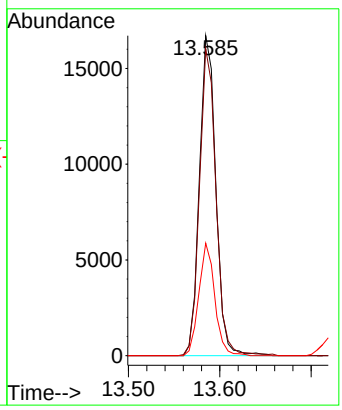




#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 2084

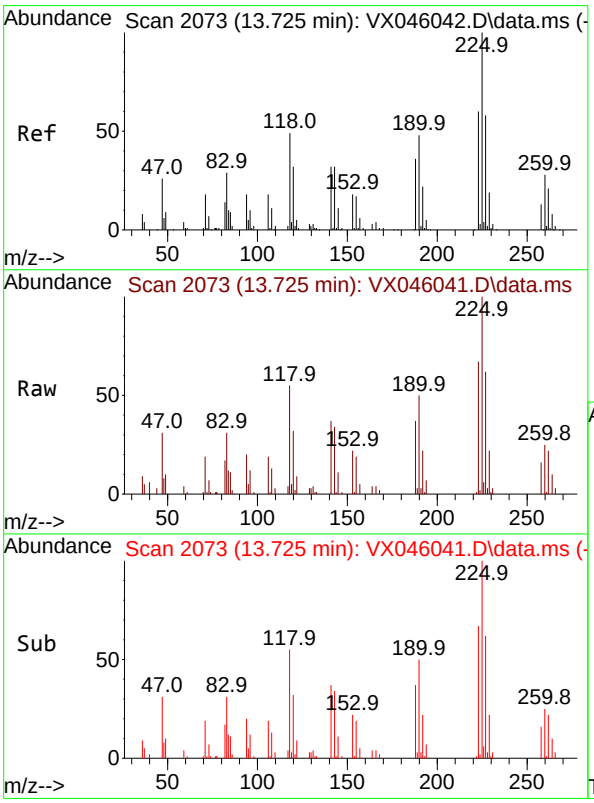
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

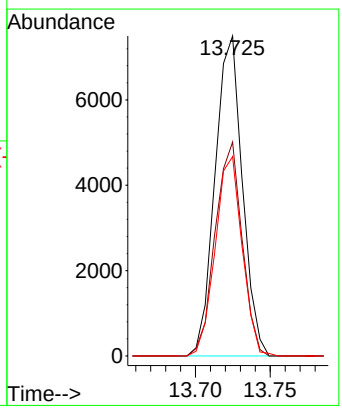
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

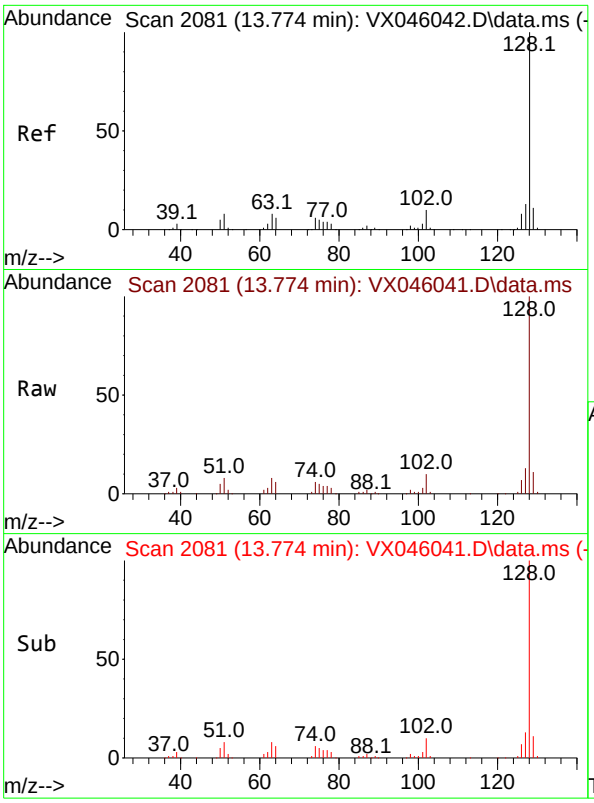


#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

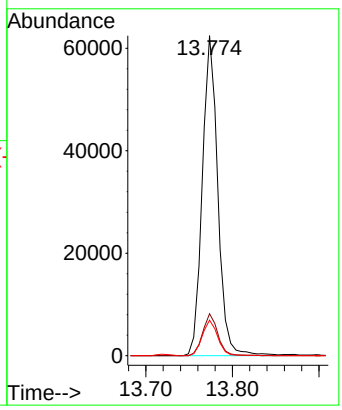




#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:128 Resp: 7754

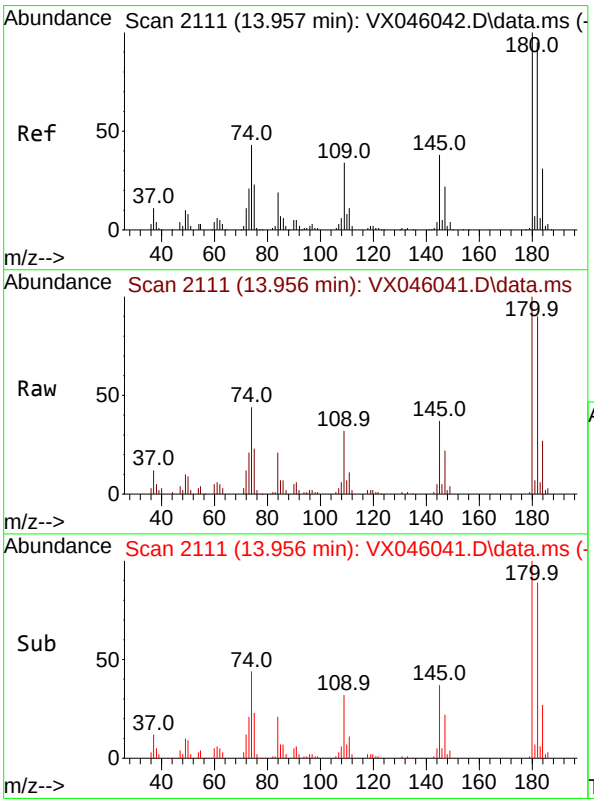
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

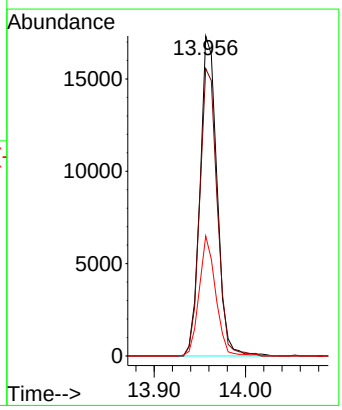
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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 (QT Reviewed)

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)
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

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)
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

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

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

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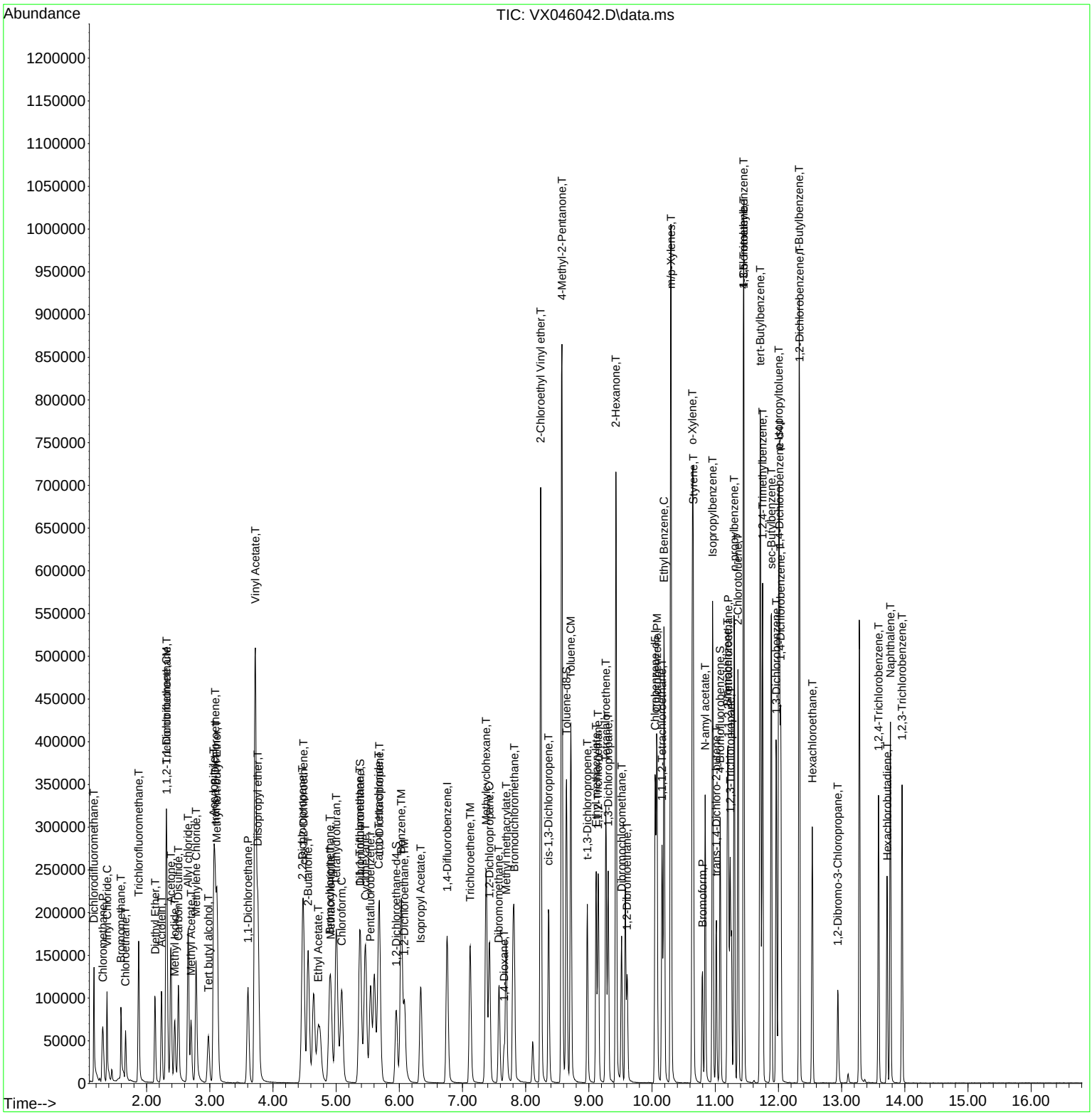
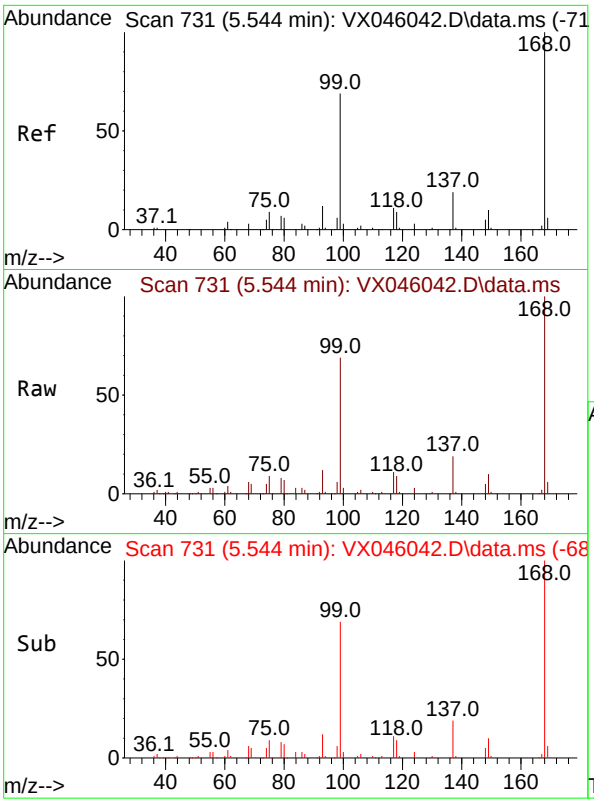
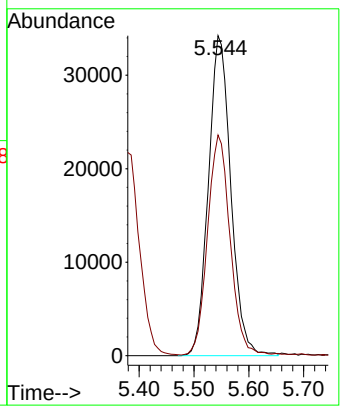




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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
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Reviewed By :John Carlone 05/06/2025
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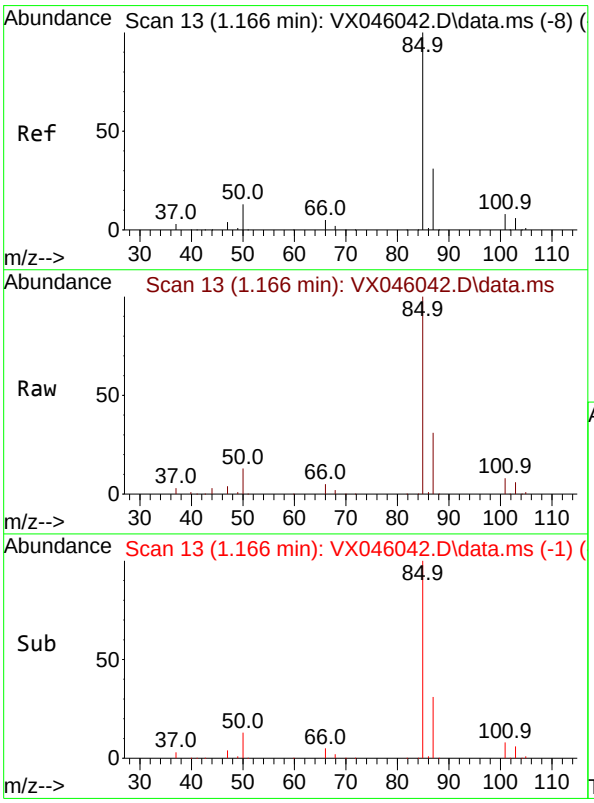
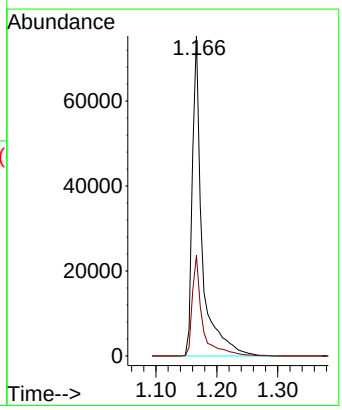
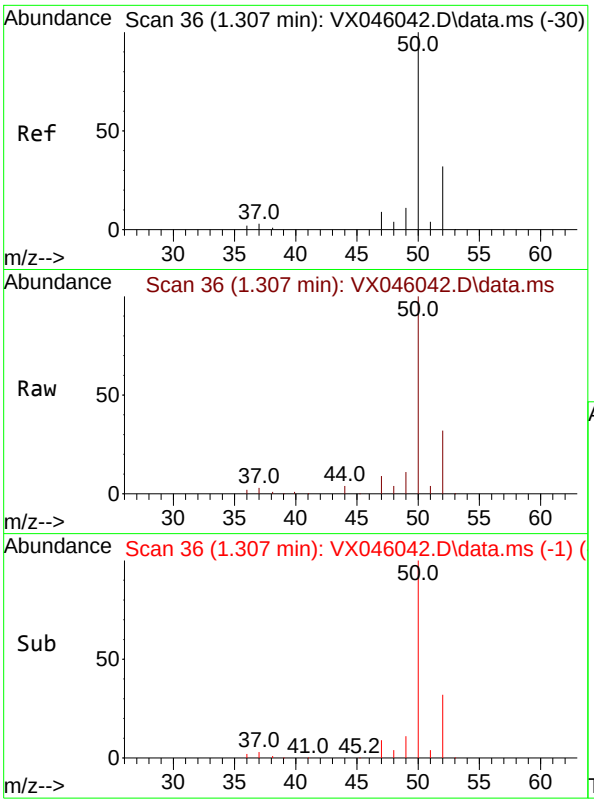


#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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
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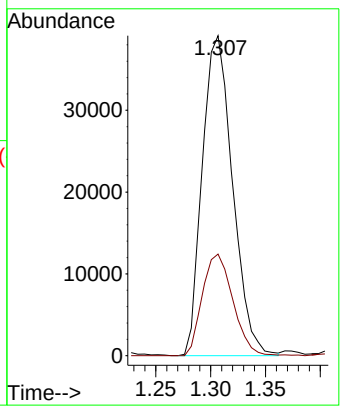
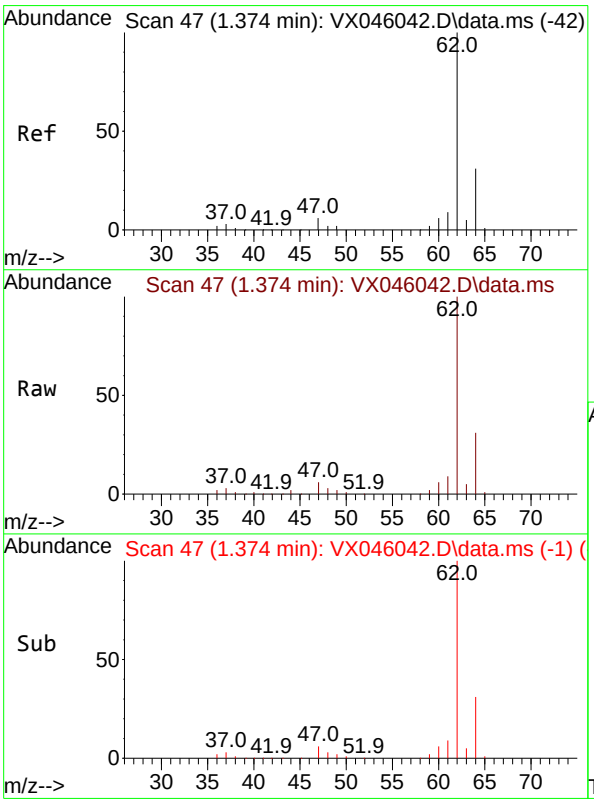
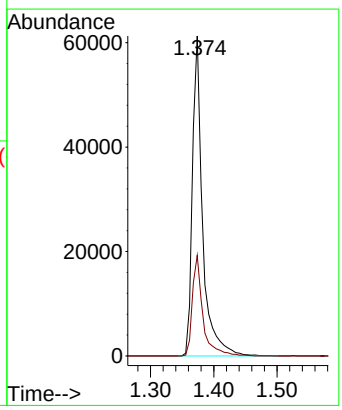


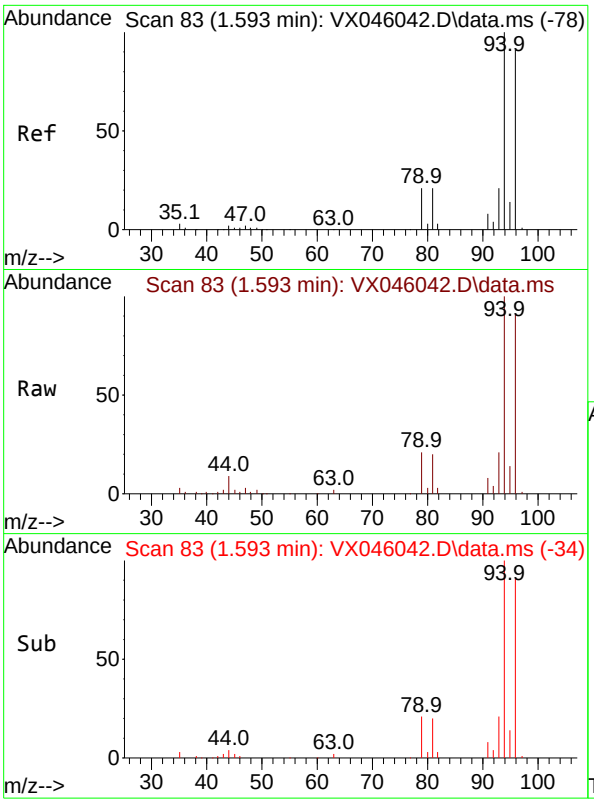


#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 68901

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8

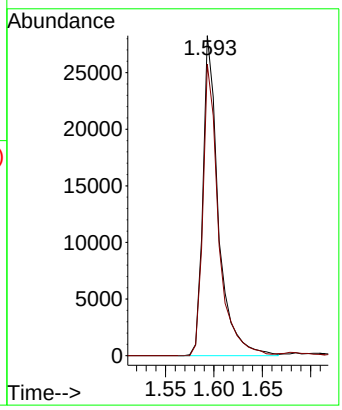




#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 94 Resp: 3164

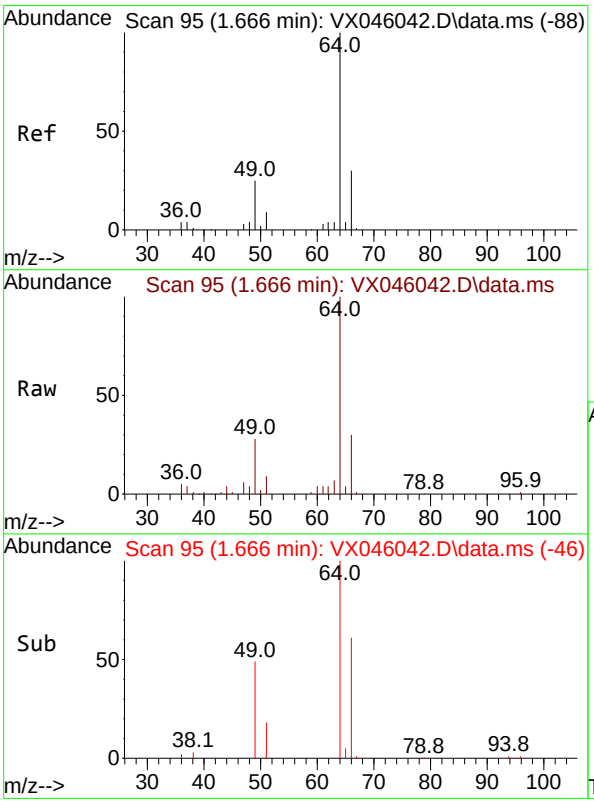
Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

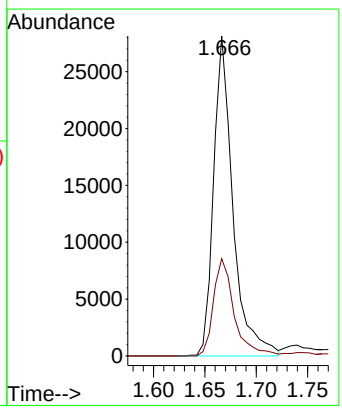
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

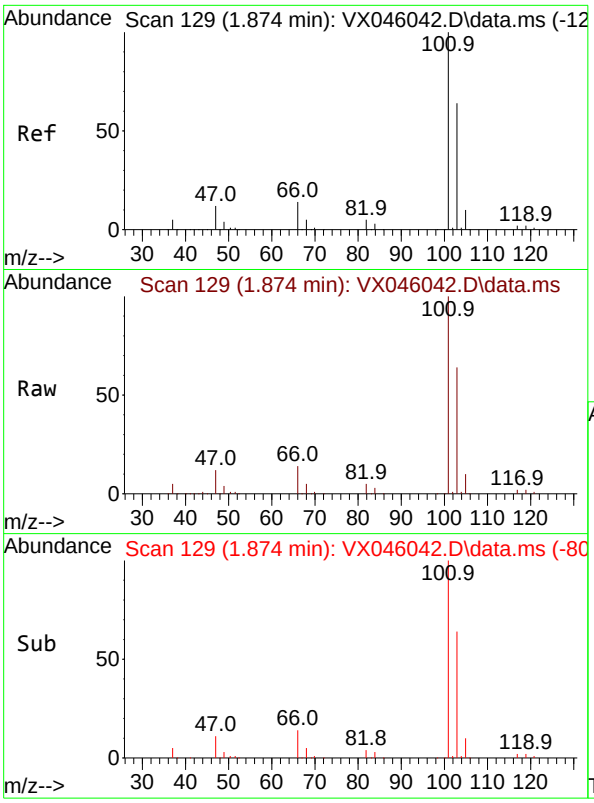


#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

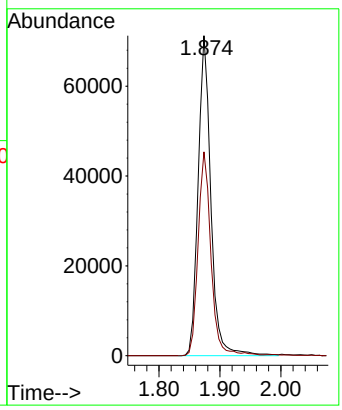
Tgt Ion:101 Resp: 10369

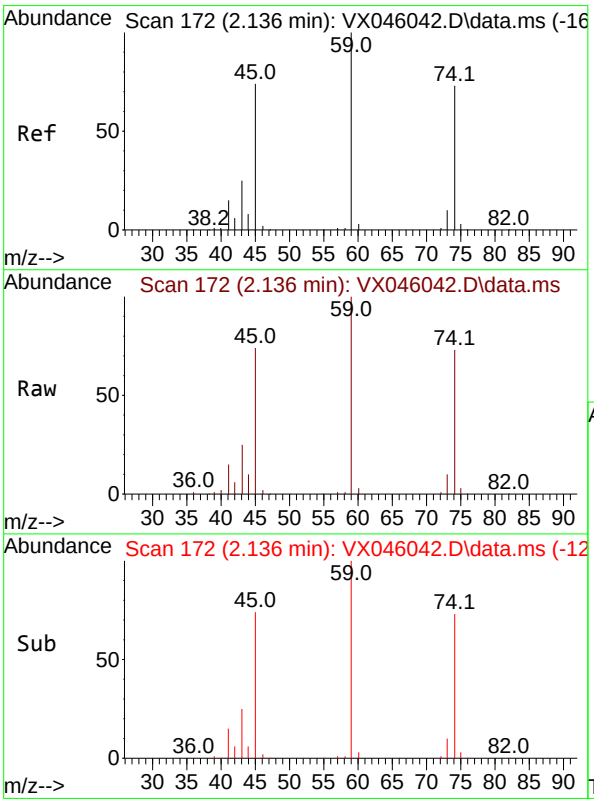
Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

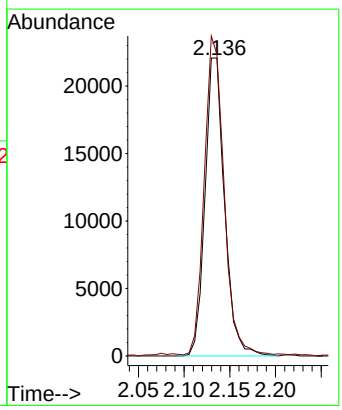


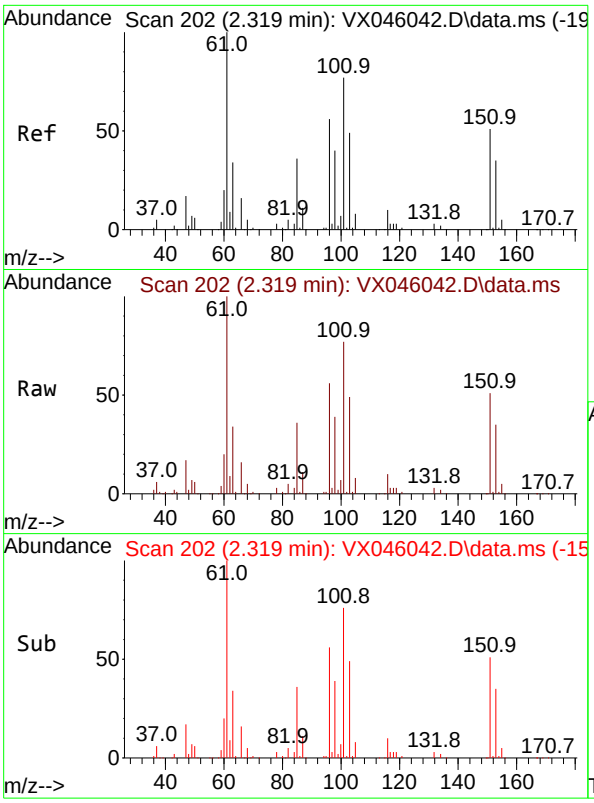


#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

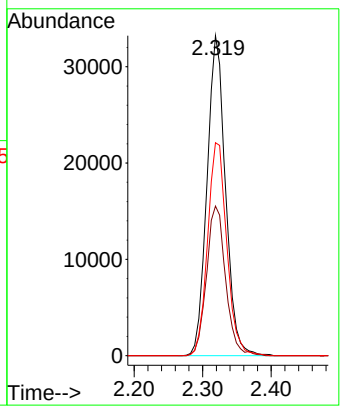
Tgt Ion:101 Resp: 6225

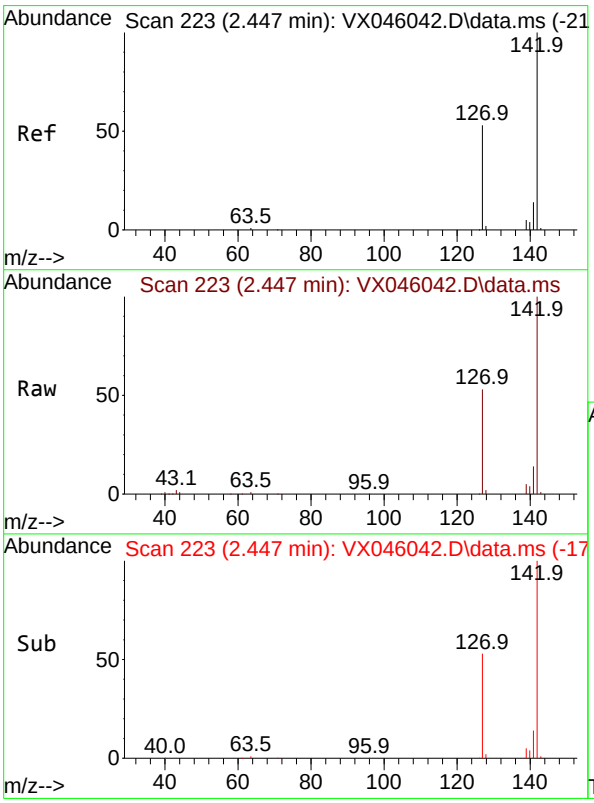
Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	69.0	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

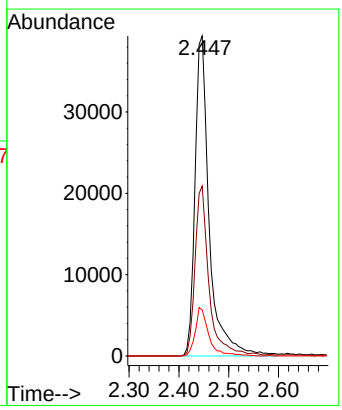


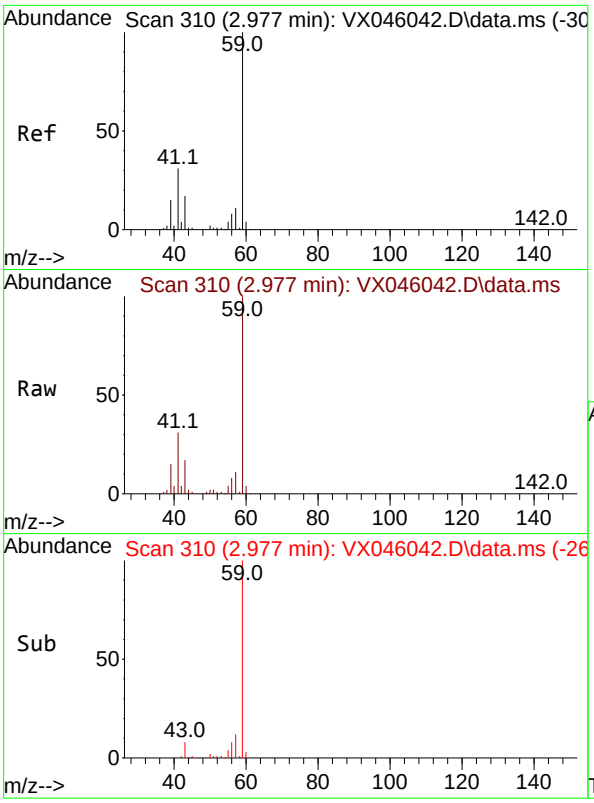


#10
Methyl Iodide
Concen: 39.622 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

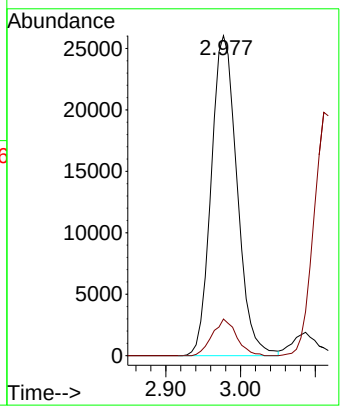




#11
Tert butyl alcohol
Concen: 181.745 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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
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Reviewed By :John Carlone 05/06/2025
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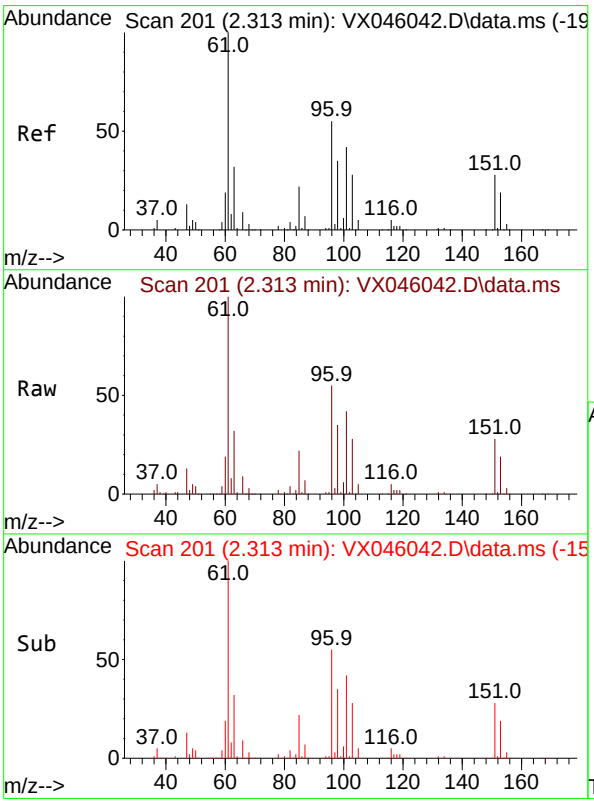
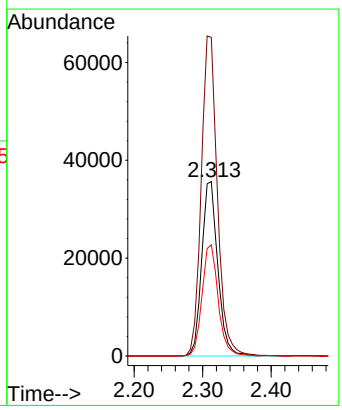
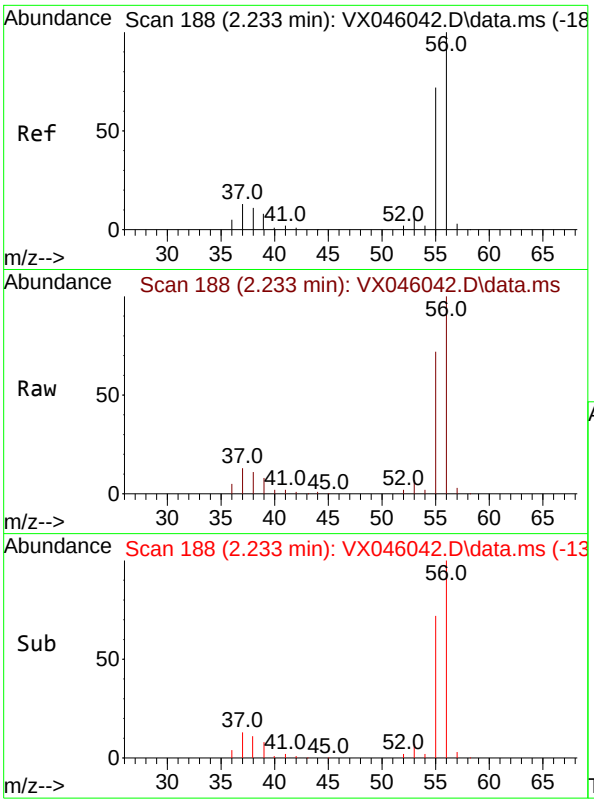


#12
1,1-Dichloroethene
Concen: 35.610 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

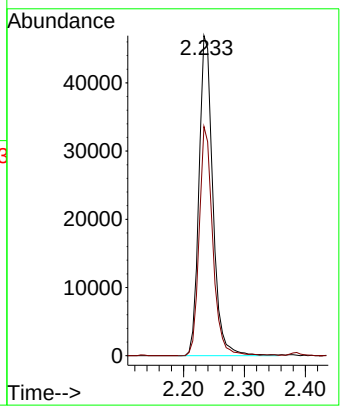




#13
Acrolein
Concen: 184.907 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 7392

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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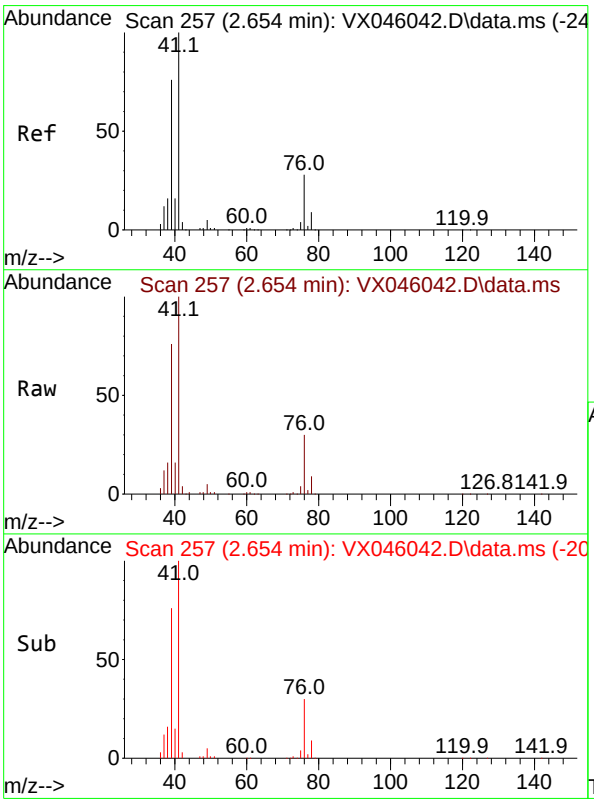
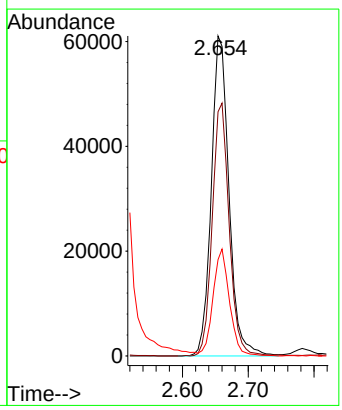
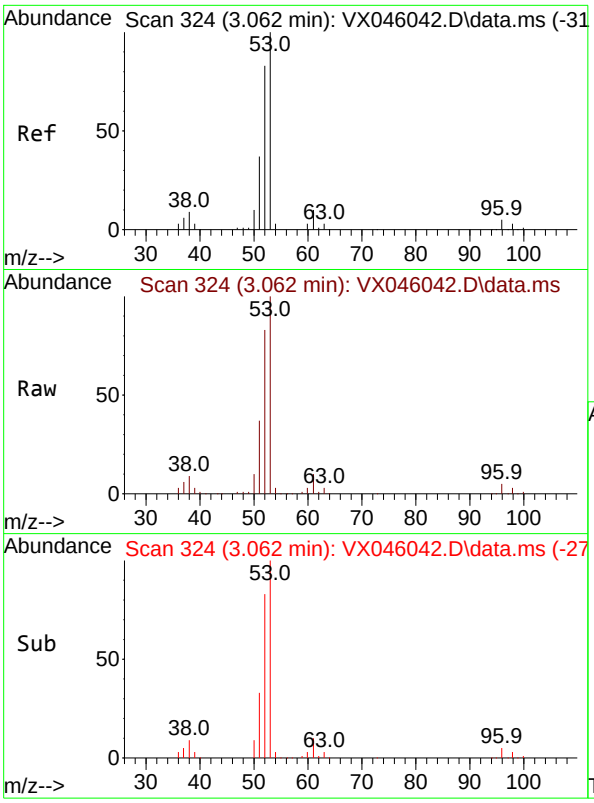


#14
Allyl chloride
Concen: 36.971 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

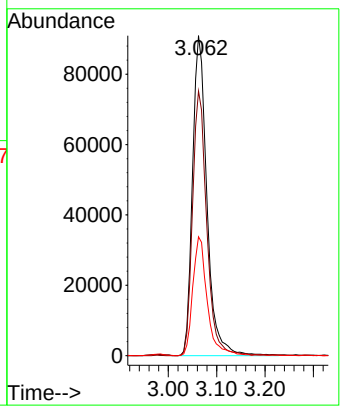




#15
Acrylonitrile
Concen: 182.874 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

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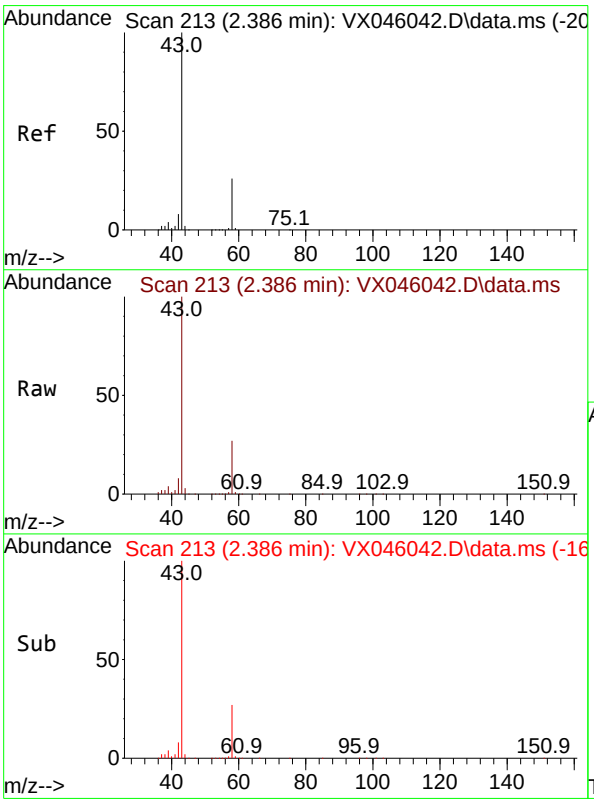
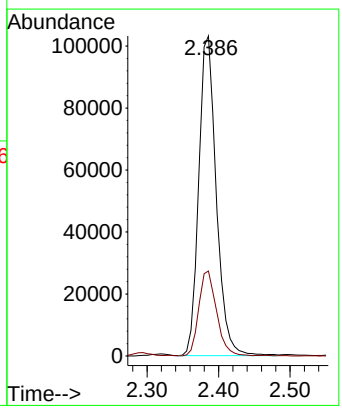
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

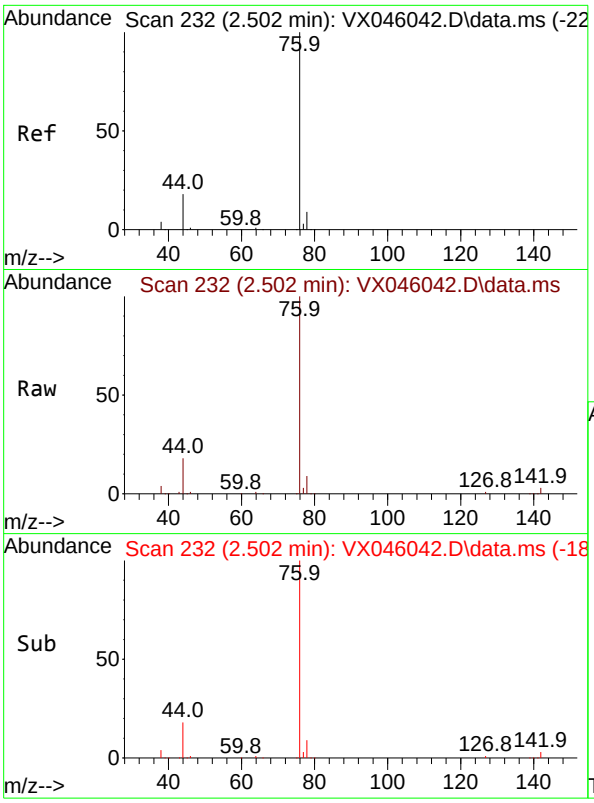


#16
Acetone
Concen: 177.910 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

Manual Integrations
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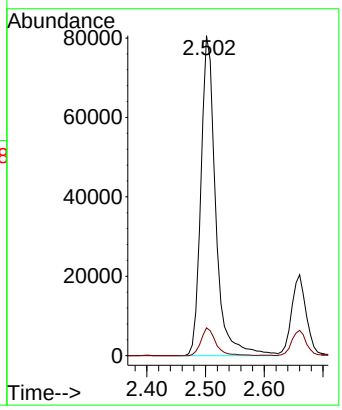
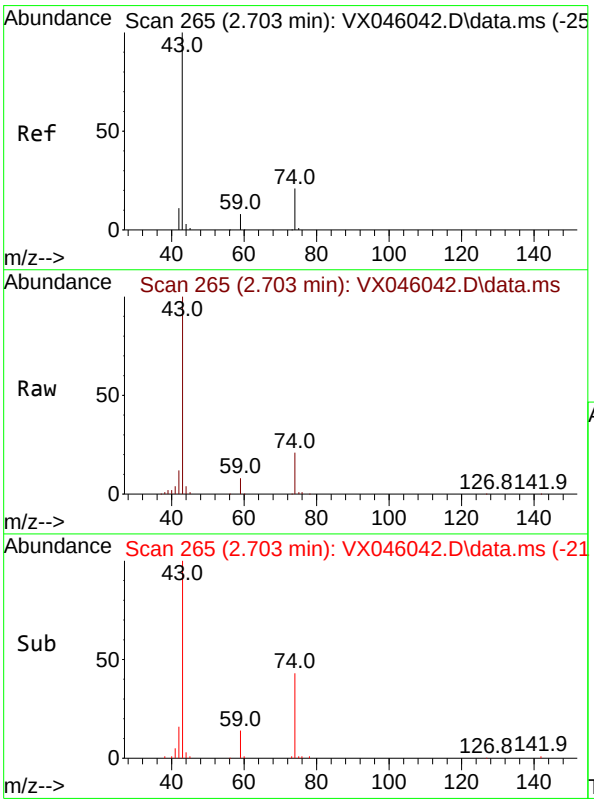
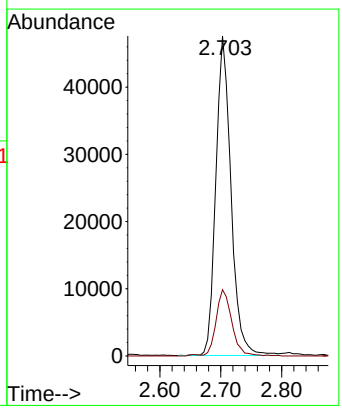


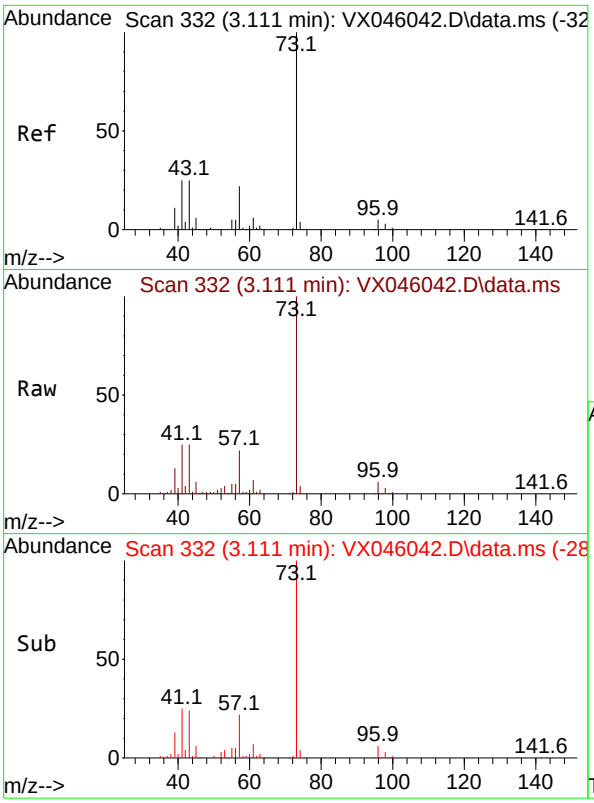


#18
Methyl Acetate
Concen: 34.915 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 82347

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

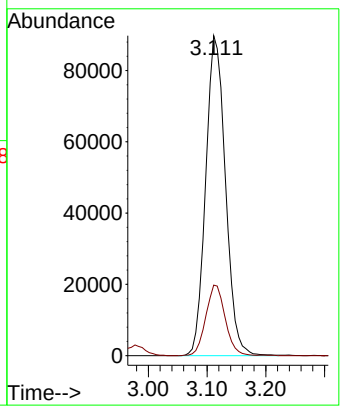




#19
Methyl tert-butyl Ether
Concen: 36.695 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 73 Resp: 20966

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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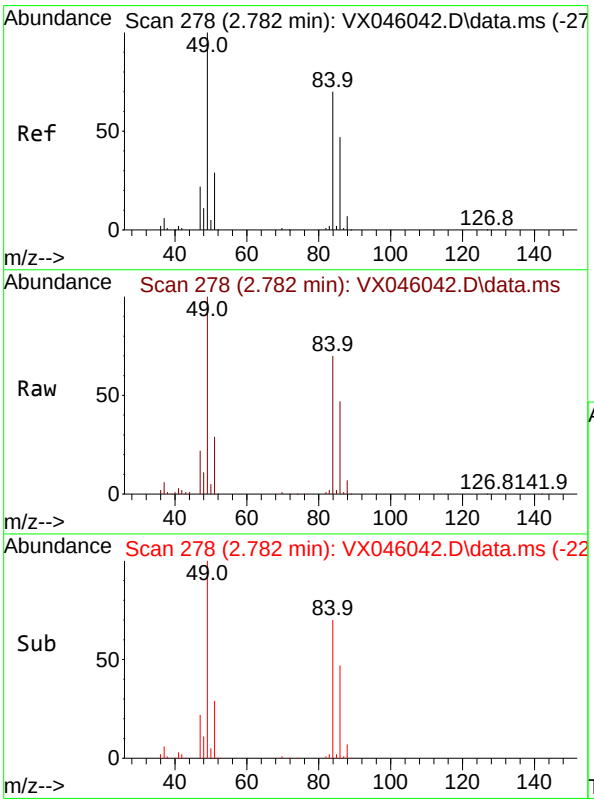
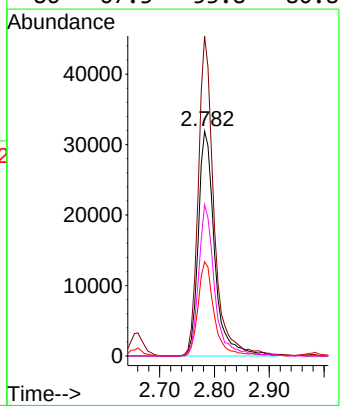
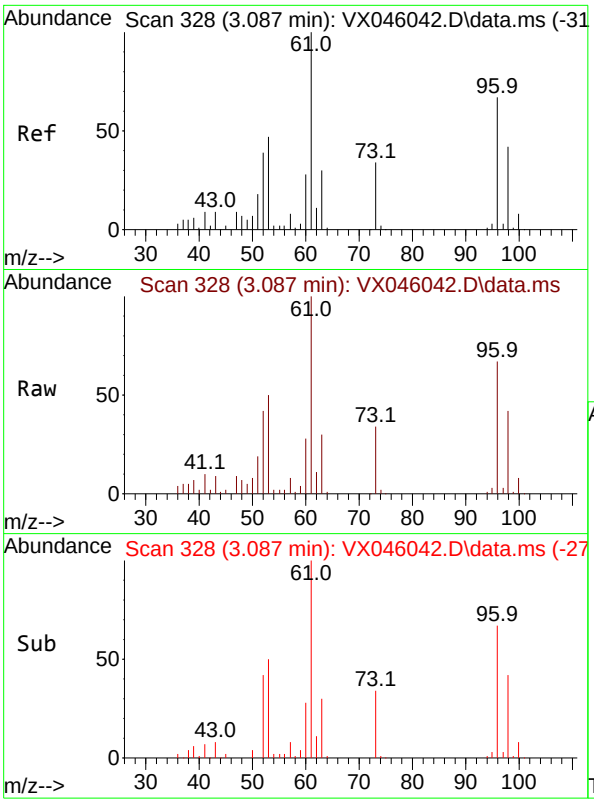


#20
Methylene Chloride
Concen: 33.182 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

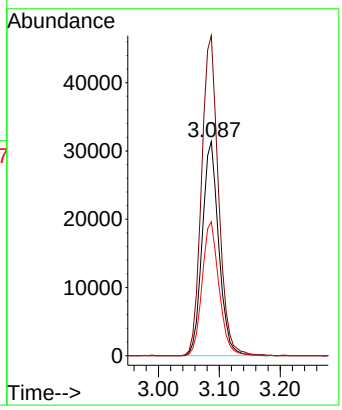




#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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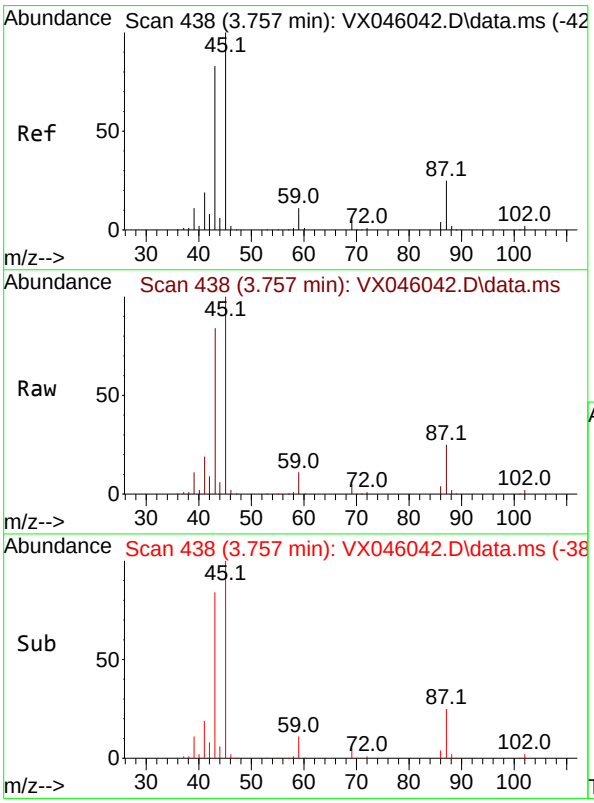
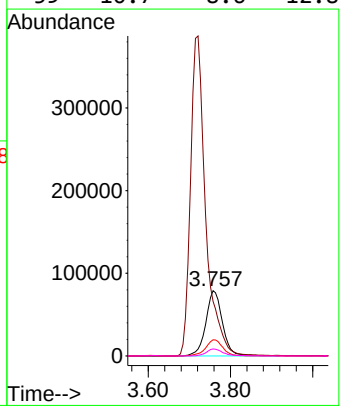
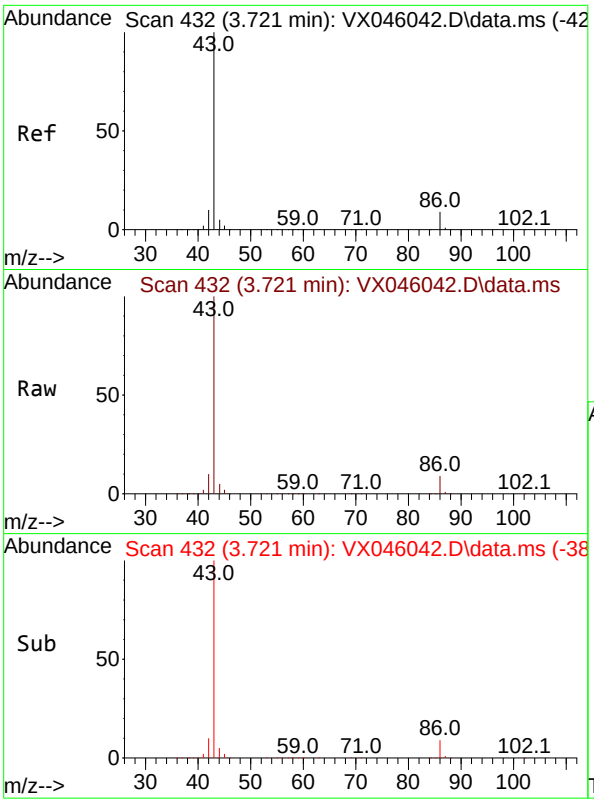


#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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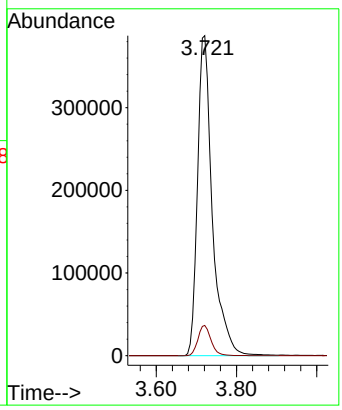
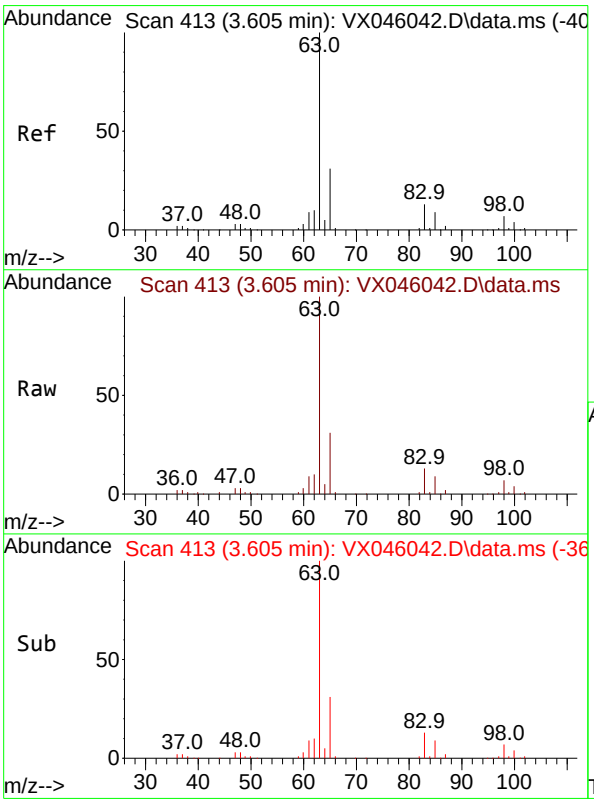
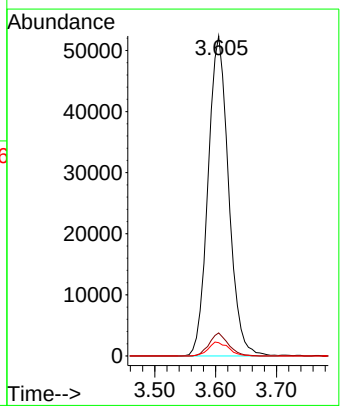


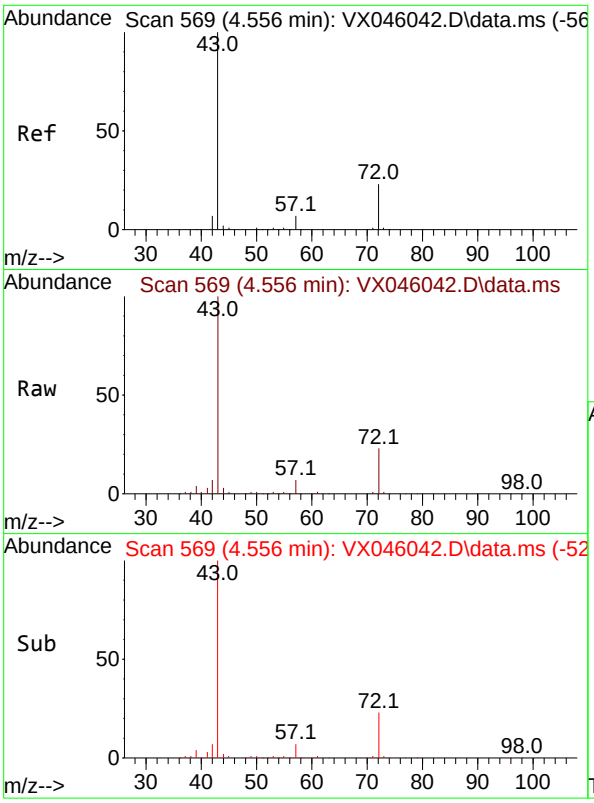


#24
1,1-Dichloroethane
Concen: 36.067 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

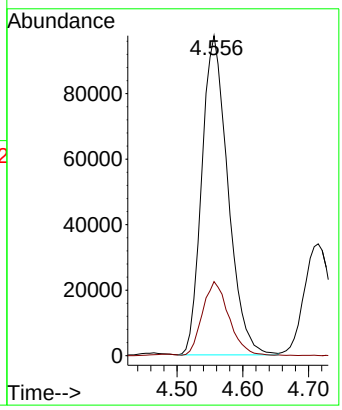




#25
2-Butanone
Concen: 188.783 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 26922

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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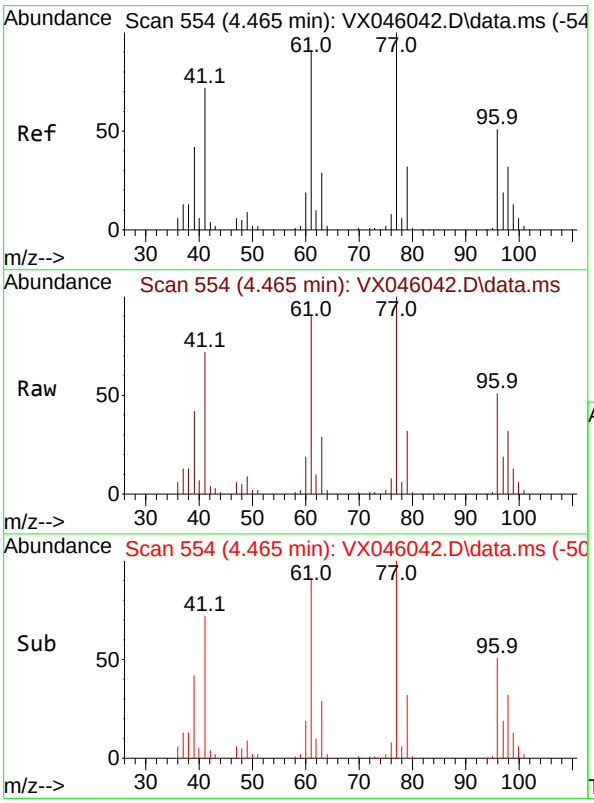
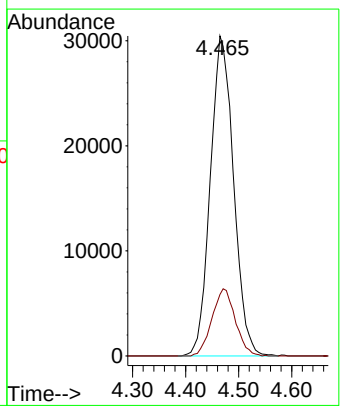
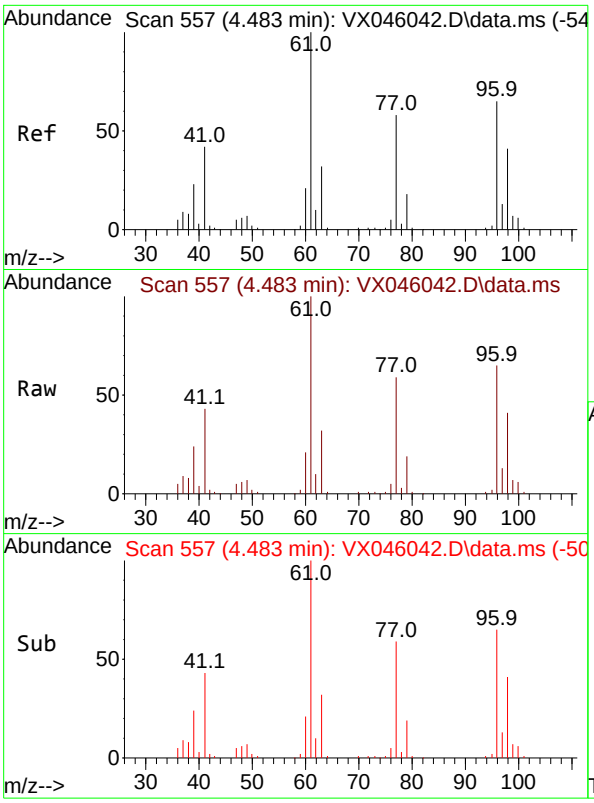


#26
2,2-Dichloropropane
Concen: 36.059 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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 :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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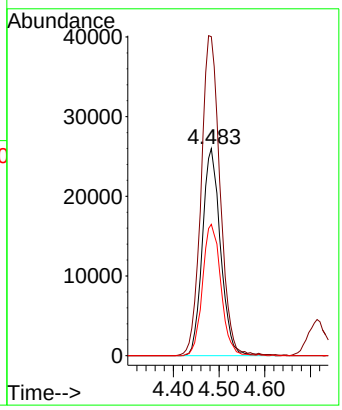
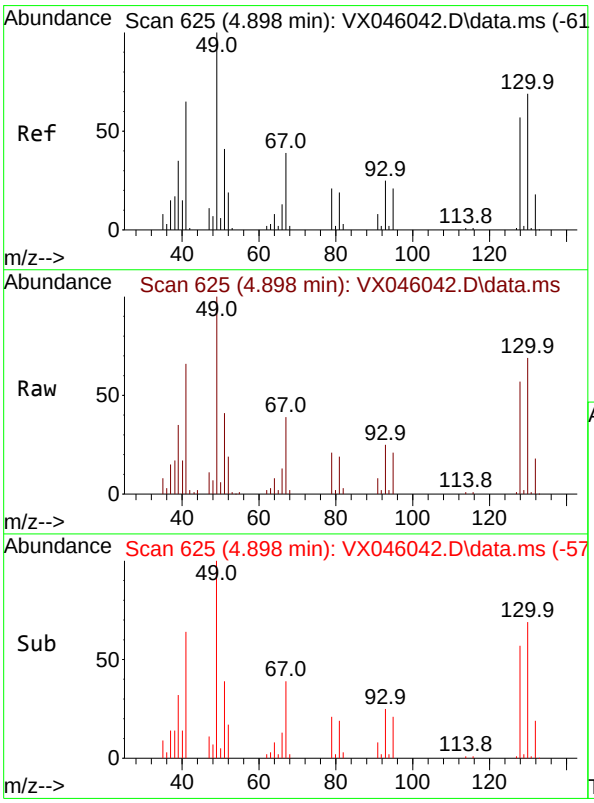
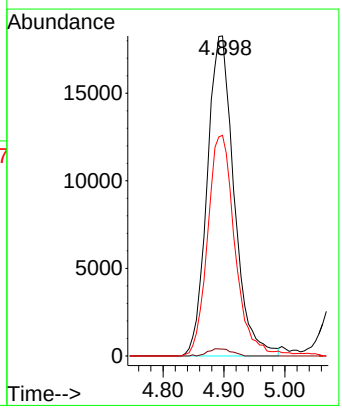


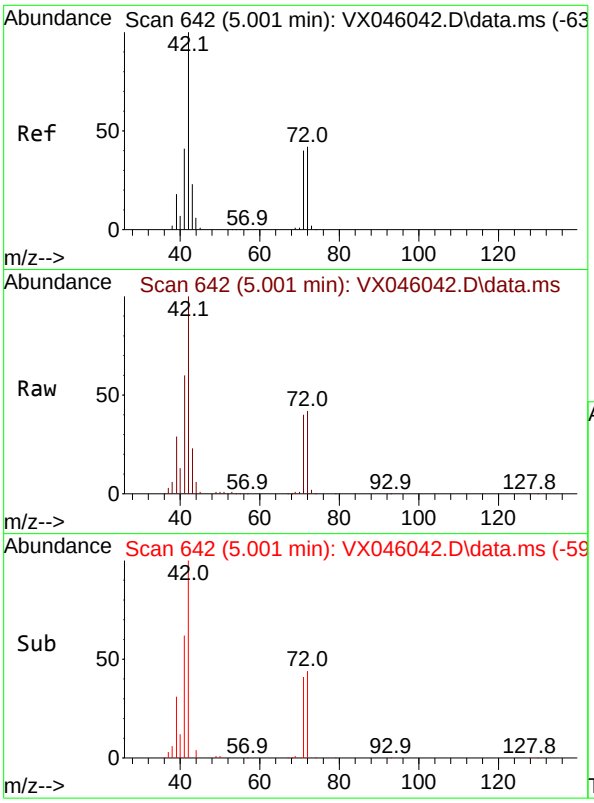


#28
Bromochloromethane
Concen: 31.031 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

Manual Integrations
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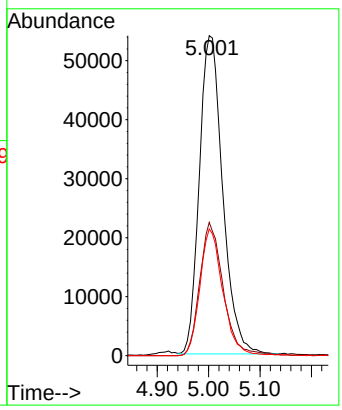
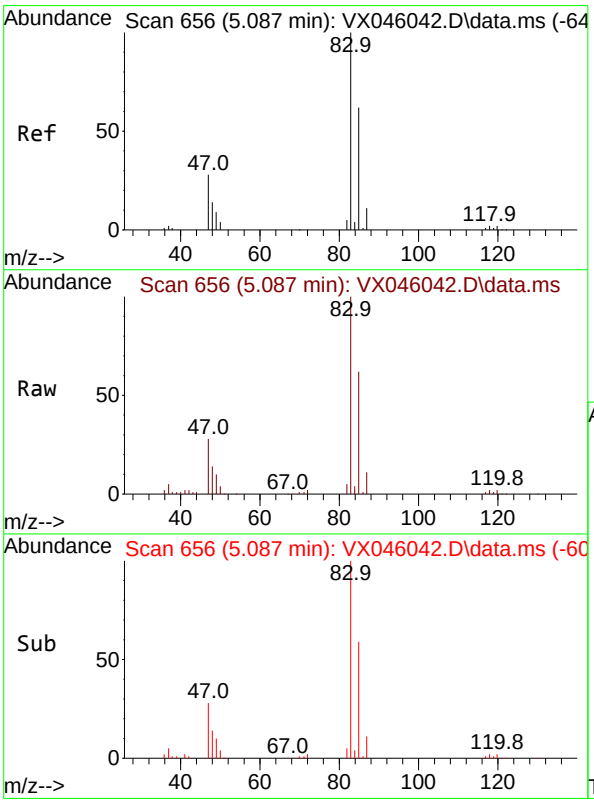
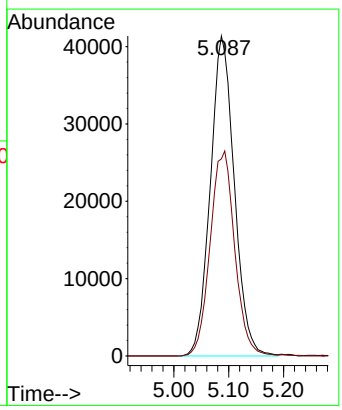


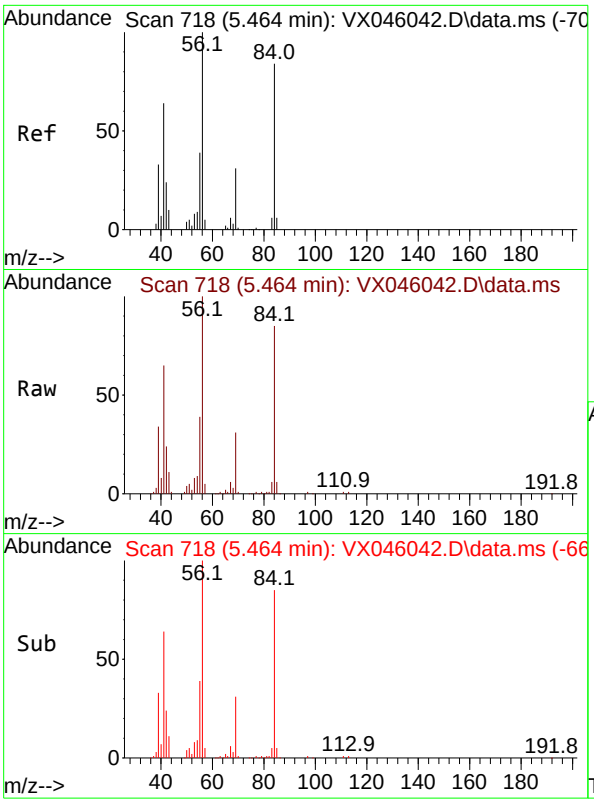


#30
Chloroform
Concen: 35.626 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 125850

Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.3	73.9

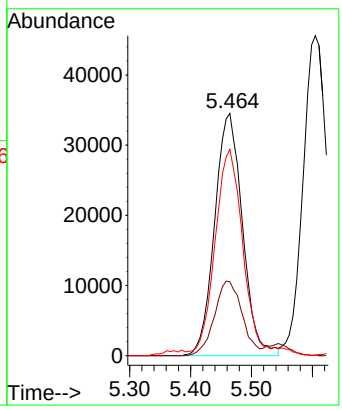




#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

Manual Integrations
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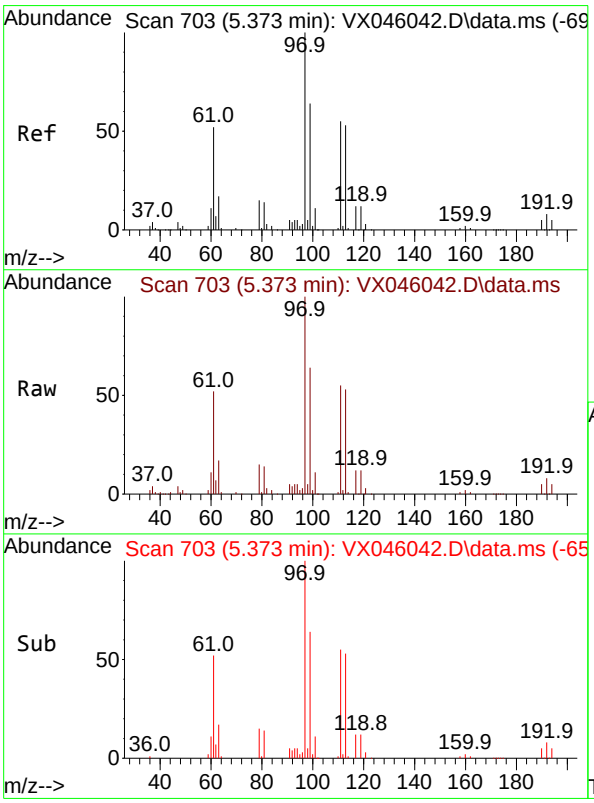
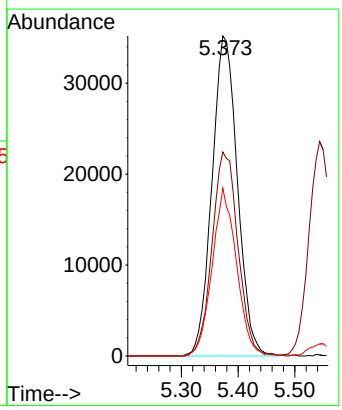
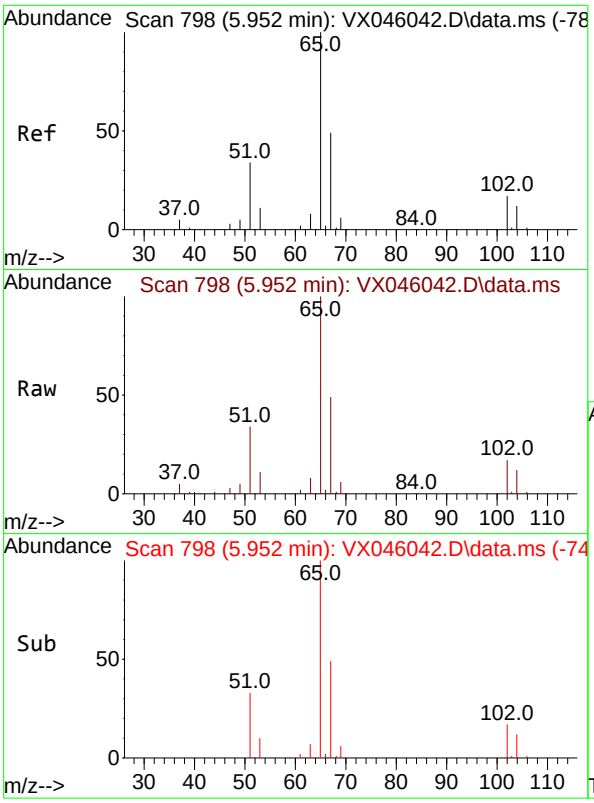


#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

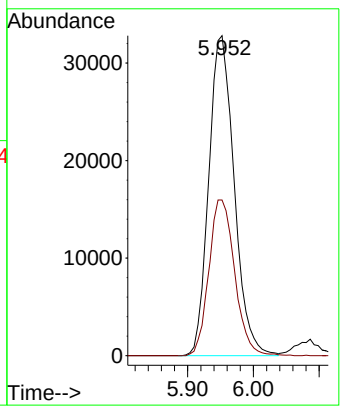




#33
1,2-Dichloroethane-d4
Concen: 30.601 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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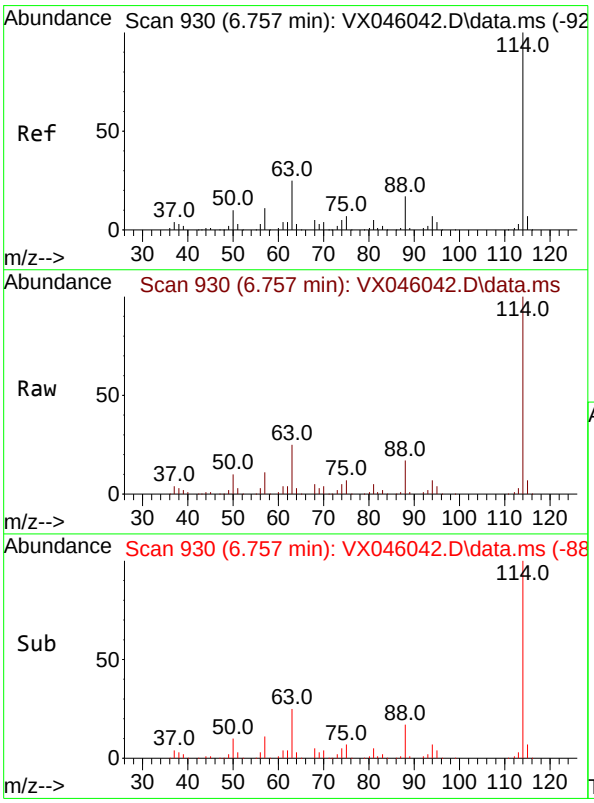
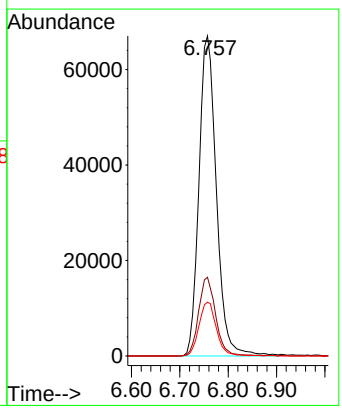
Supervised By :Mahesh Dadoda 05/06/2025

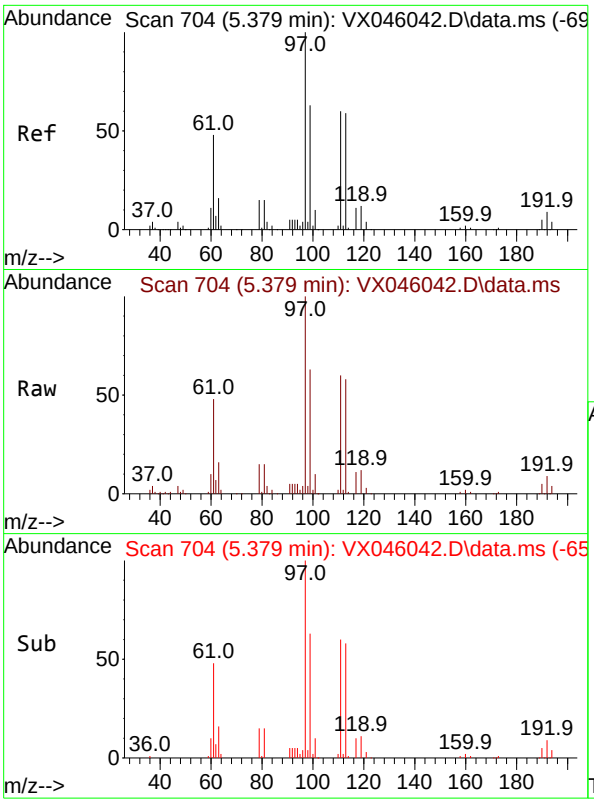


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

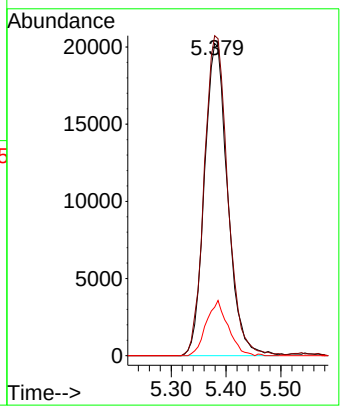




#35
Dibromofluoromethane
Concen: 31.633 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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 :
MSVOA_X
ClientSampleId :
VSTDICCC050

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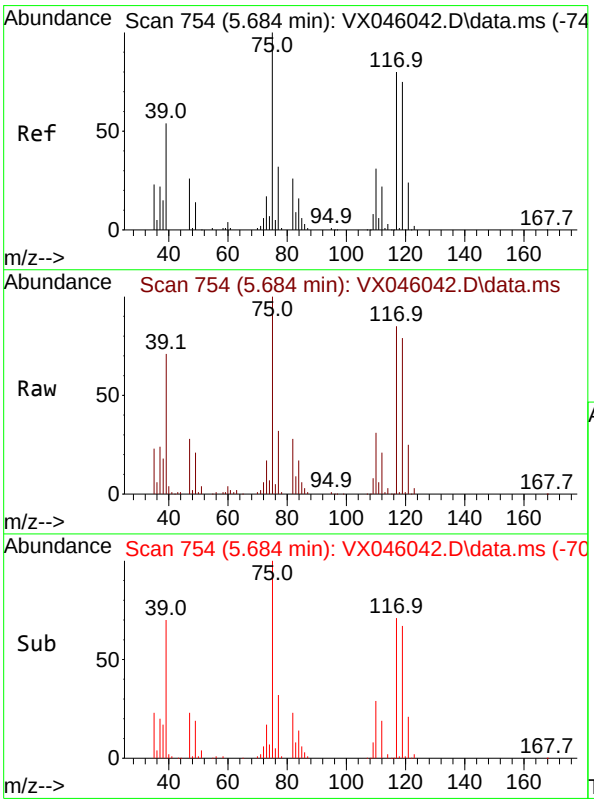
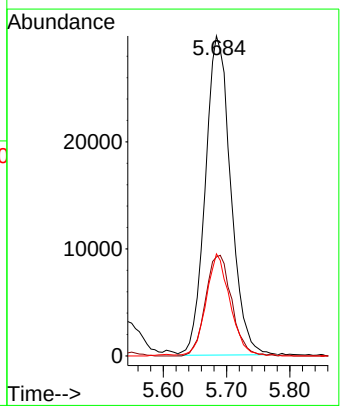
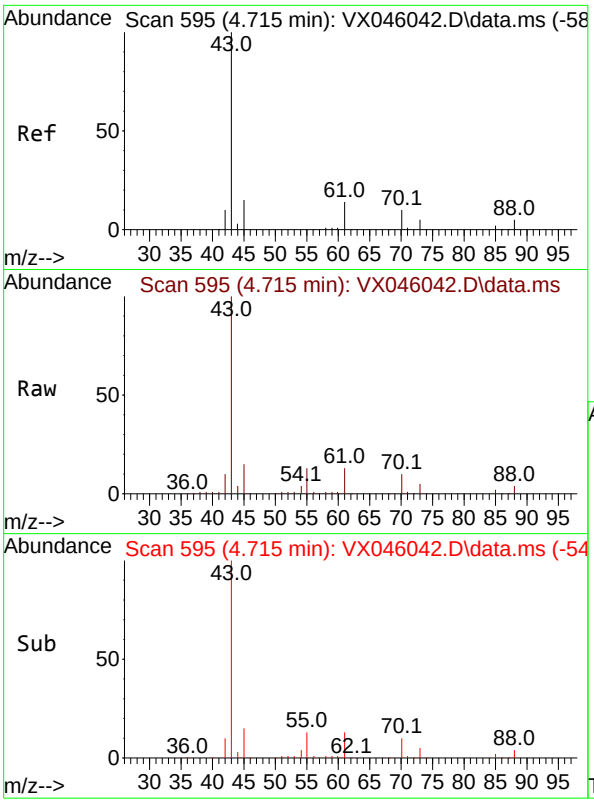


#36
1,1-Dichloropropene
Concen: 38.073 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

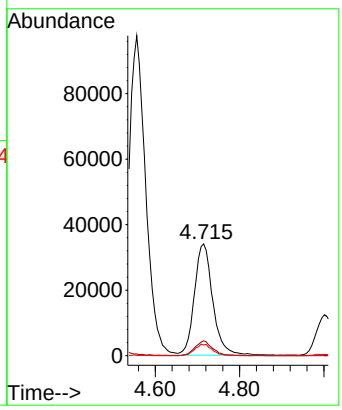




#37
Ethyl Acetate
Concen: 37.394 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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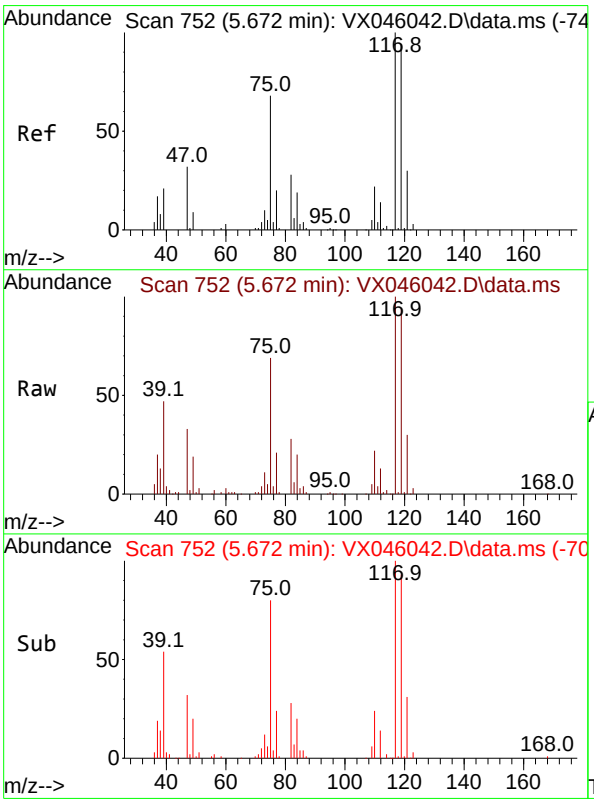
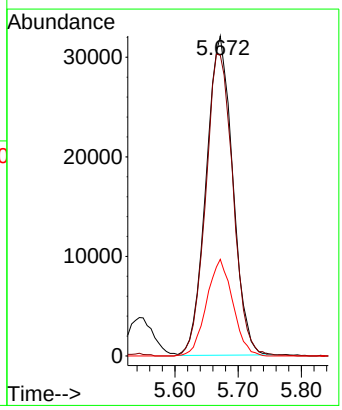
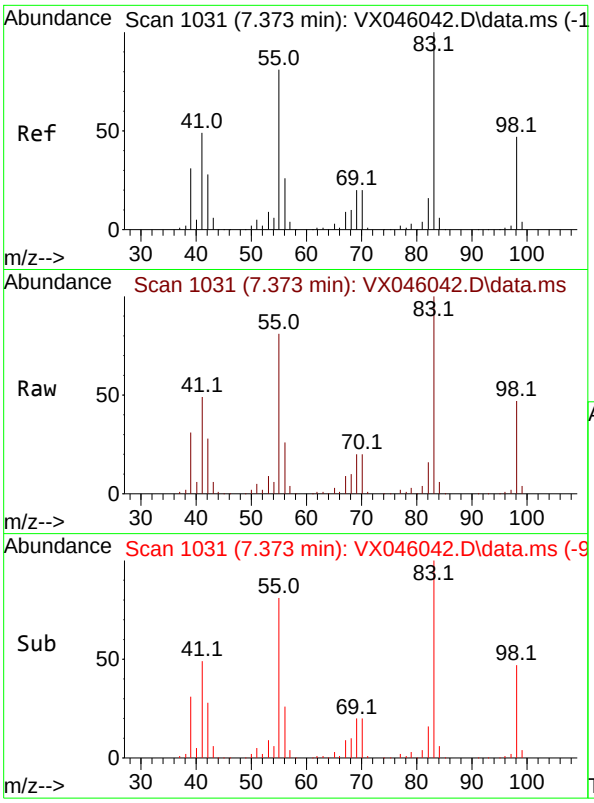


#38
Carbon Tetrachloride
Concen: 37.320 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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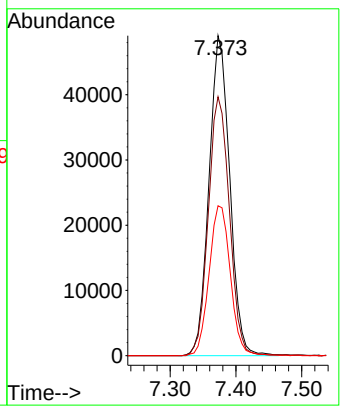
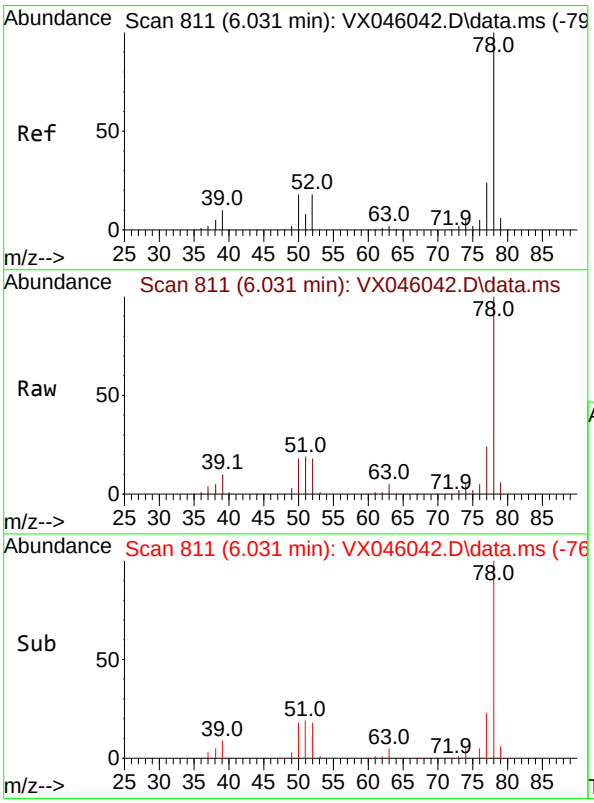
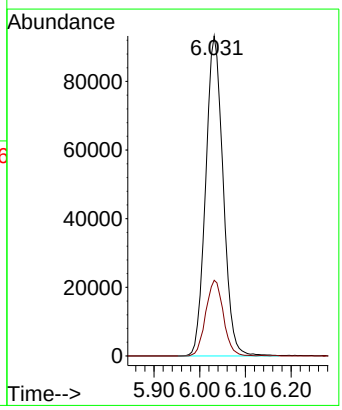


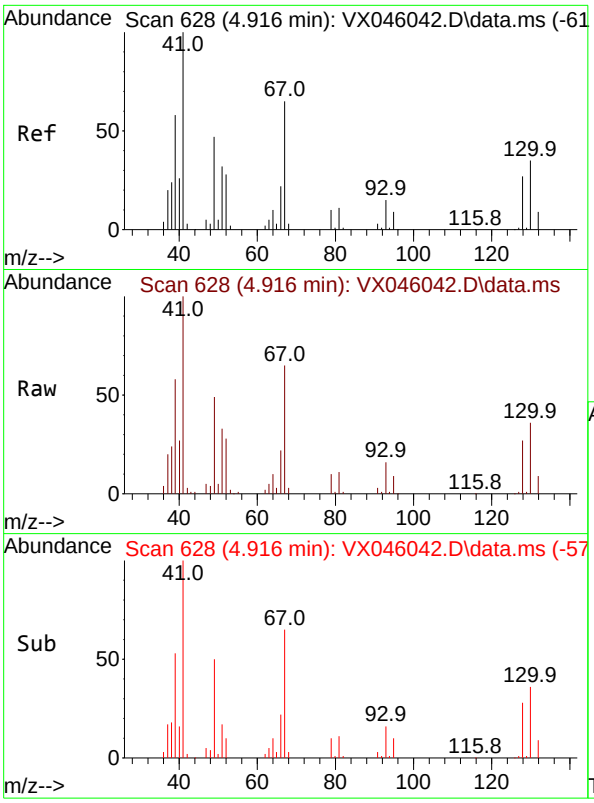


#40
Benzene
Concen: 36.530 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 78 Resp: 247476

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

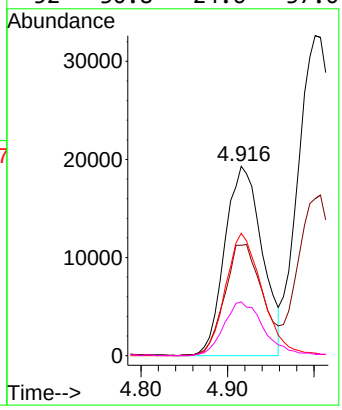




#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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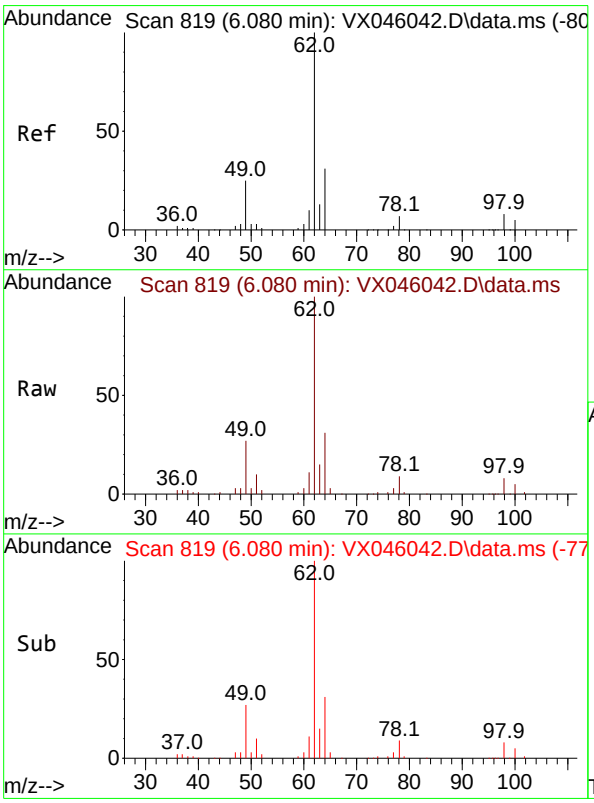
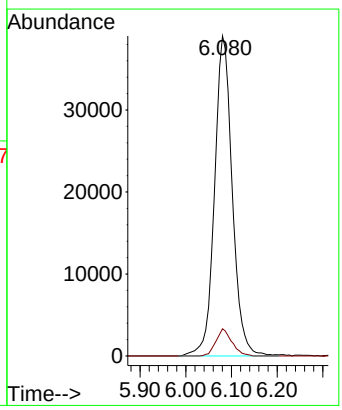
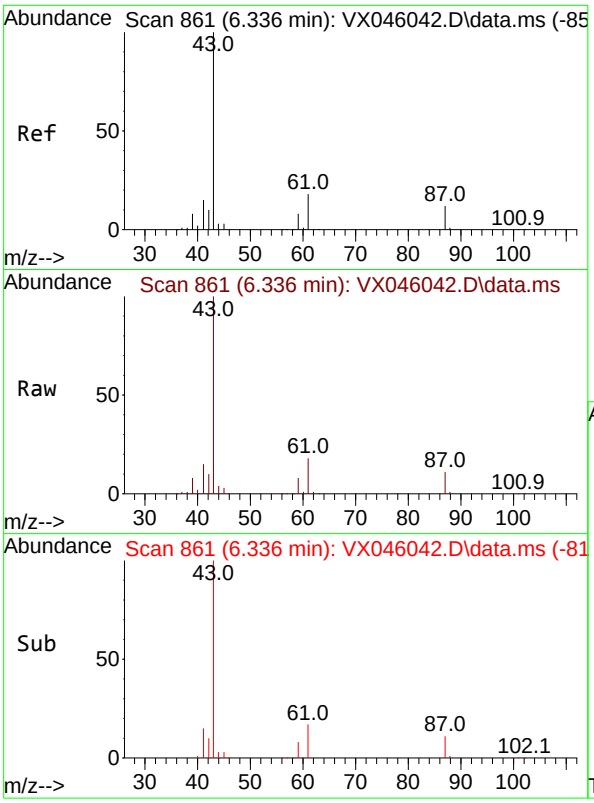


#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2

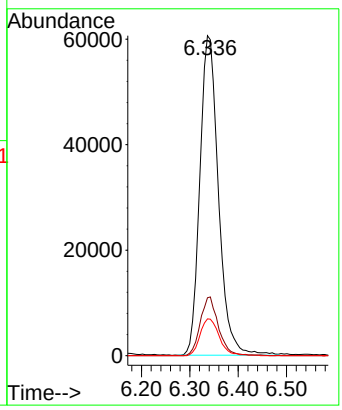




#43
Isopropyl Acetate
Concen: 38.598 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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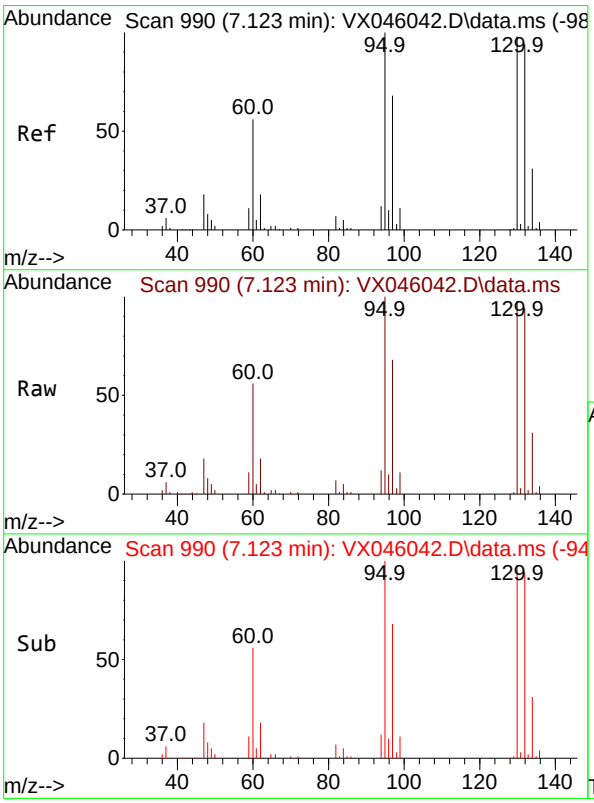
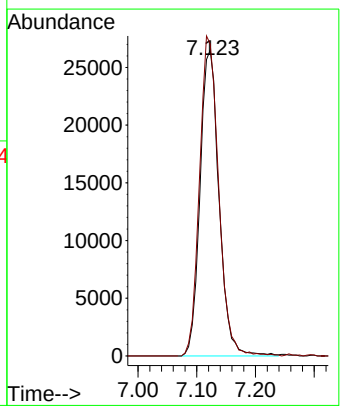
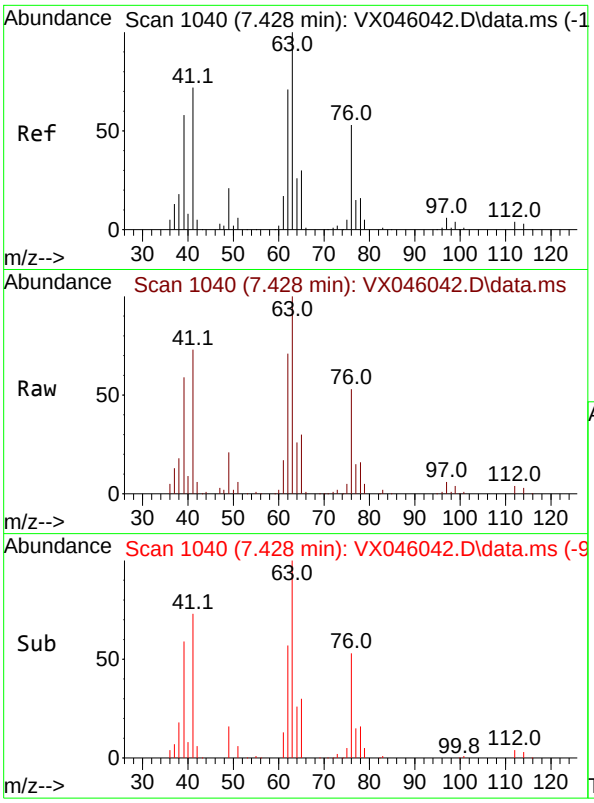


#44
Trichloroethene
Concen: 37.230 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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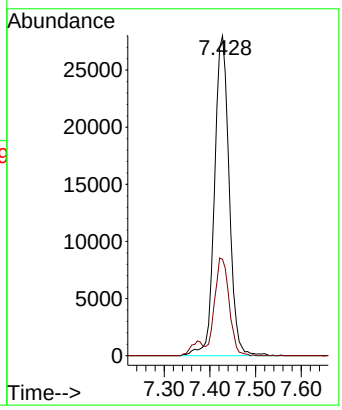
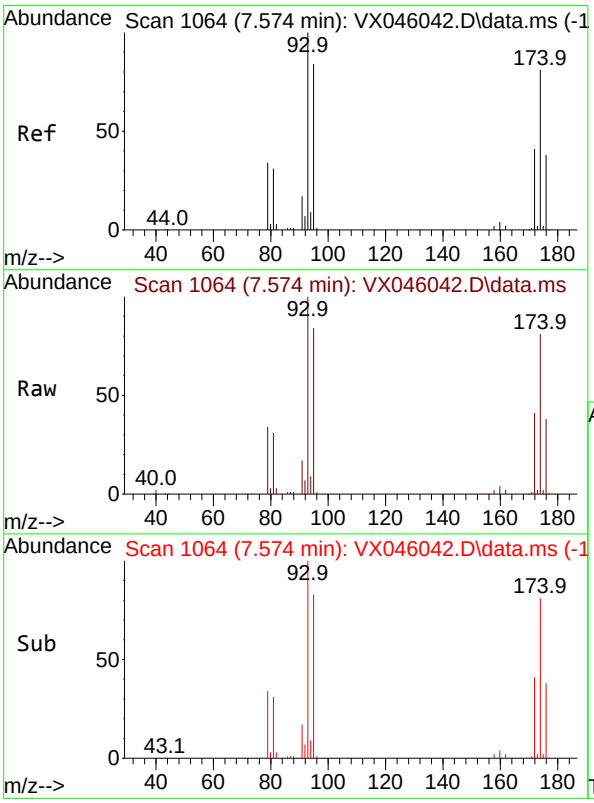
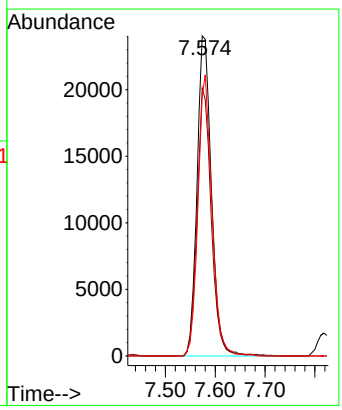


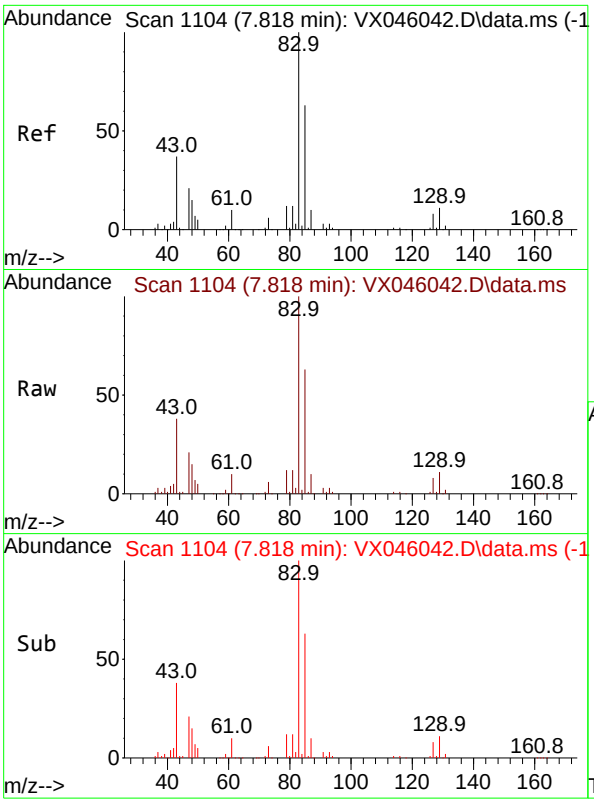


#46
Dibromomethane
Concen: 36.326 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

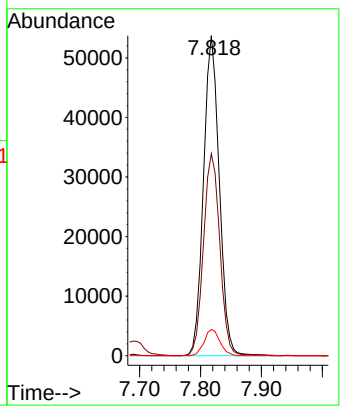




#47
Bromodichloromethane
Concen: 37.685 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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 :
MSVOA_X
ClientSampleId :
VSTDICCC050

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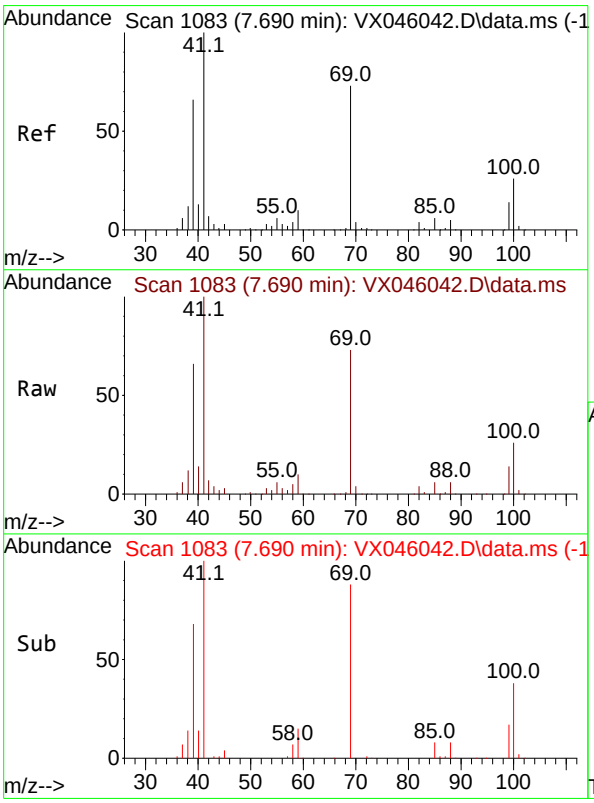
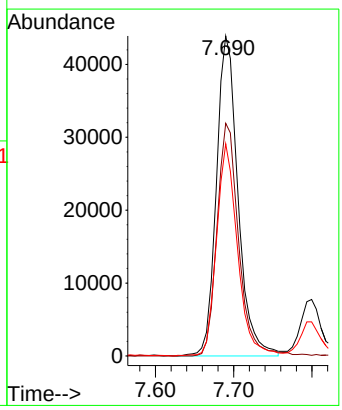
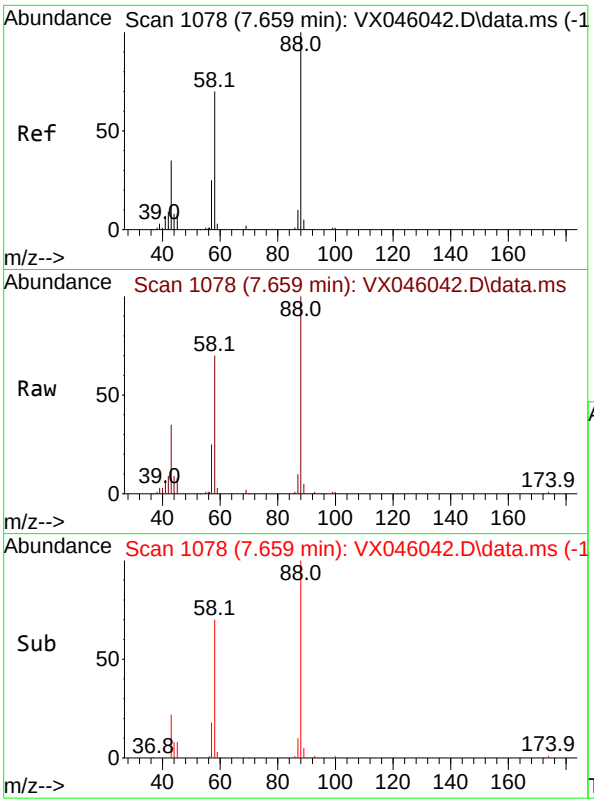


#48
Methyl methacrylate
Concen: 39.157 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

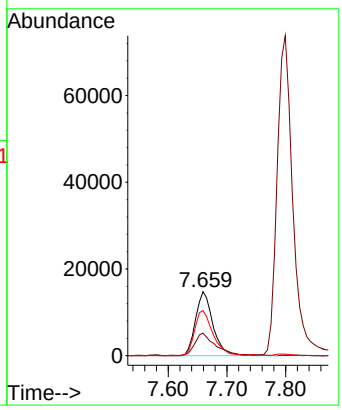




#49
1,4-Dioxane
Concen: 713.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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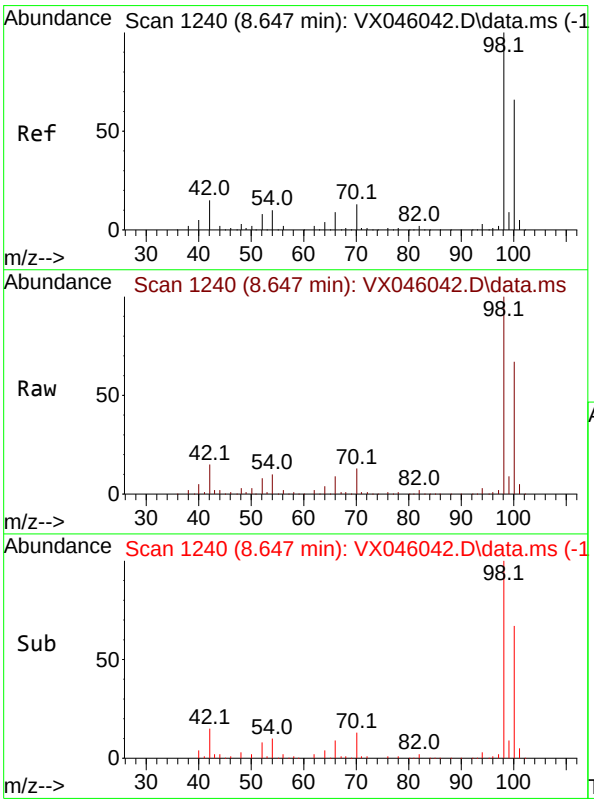
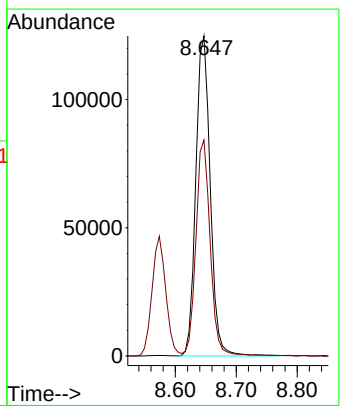
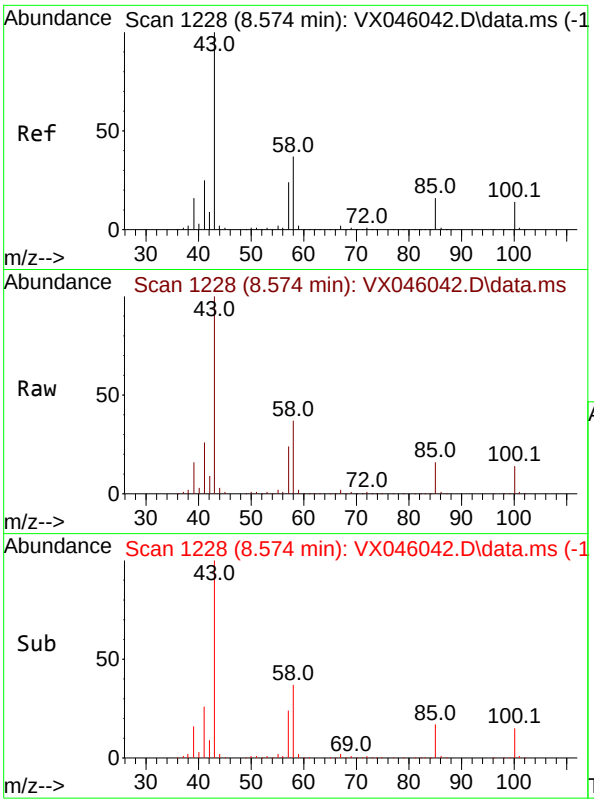


#50
Toluene-d8
Concen: 32.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

Manual Integrations
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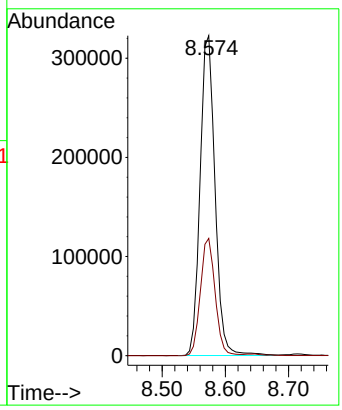
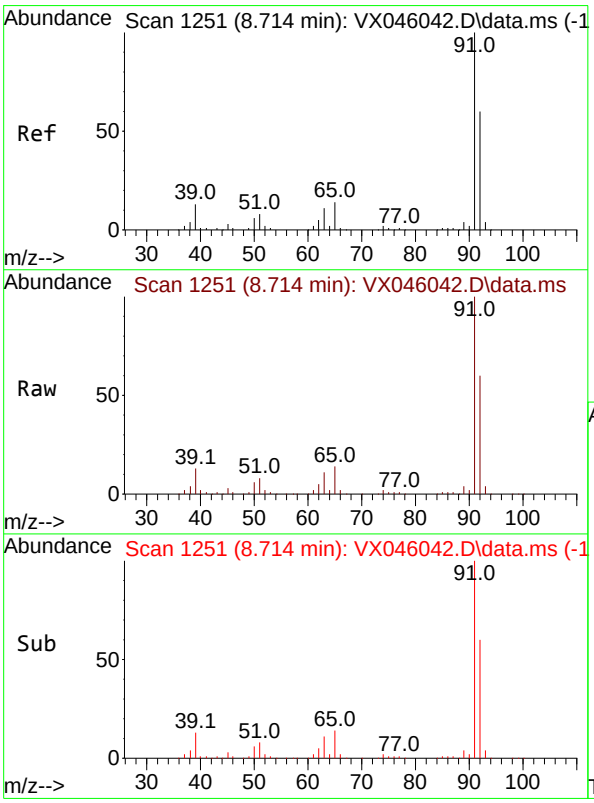
Supervised By :Mahesh Dadoda 05/06/2025

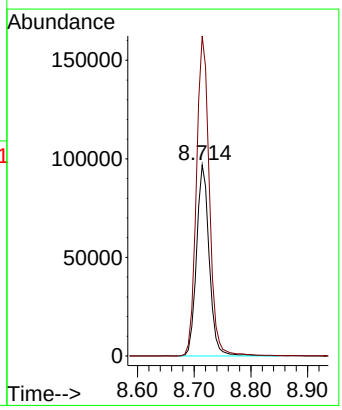


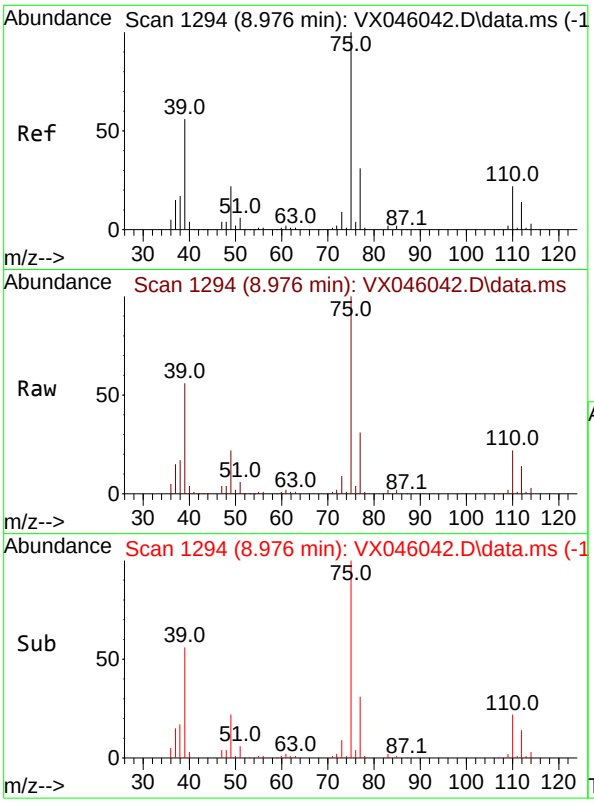


#52
Toluene
Concen: 37.530 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 92 Resp: 150757

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.6	205.0

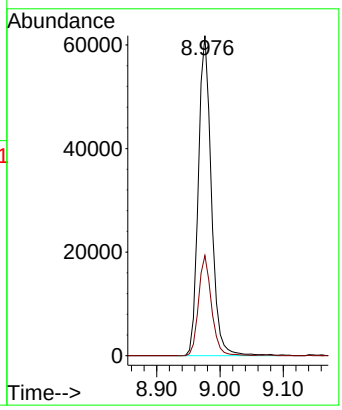




#53
t-1,3-Dichloropropene
Concen: 41.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 8865

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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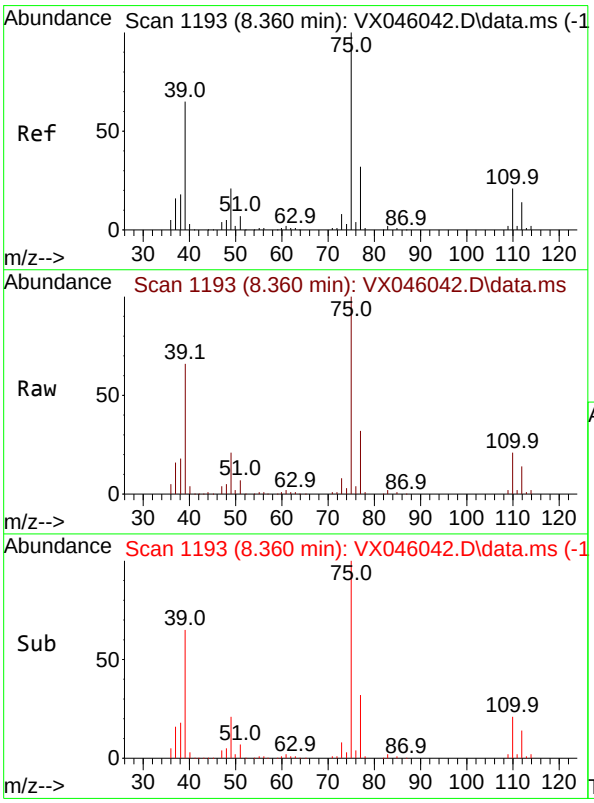
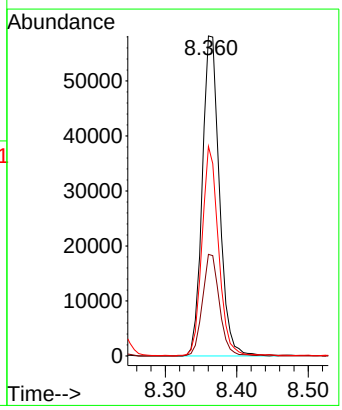
Supervised By :Mahesh Dadoda 05/06/2025

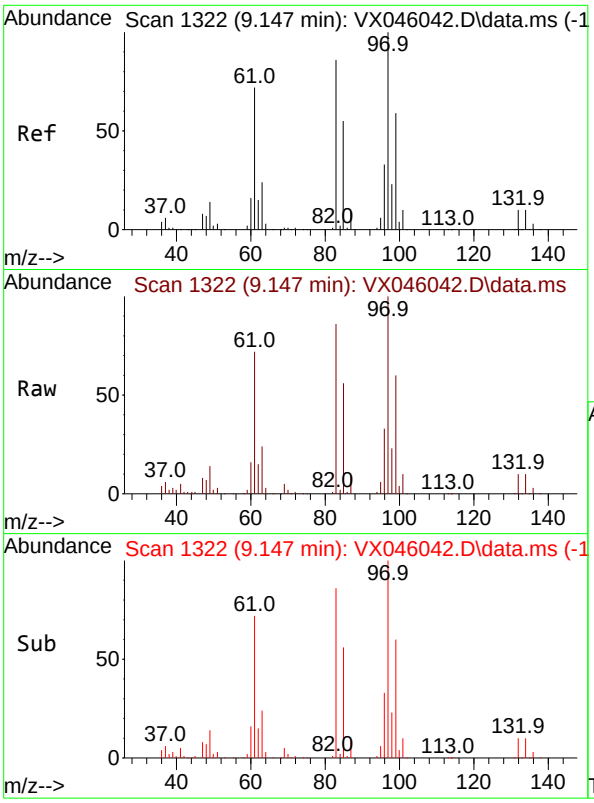


#54
cis-1,3-Dichloropropene
Concen: 38.521 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

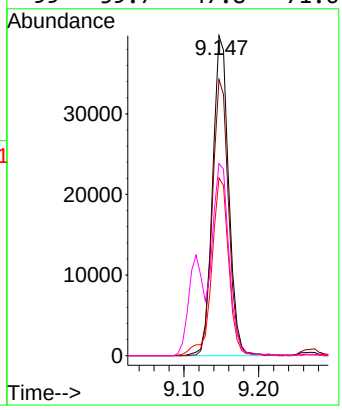




#55
1,1,2-Trichloroethane
Concen: 36.648 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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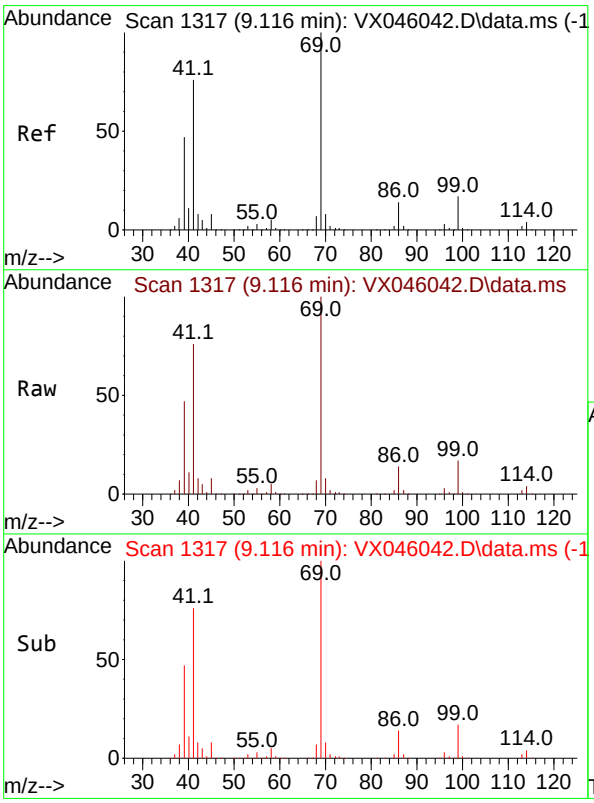
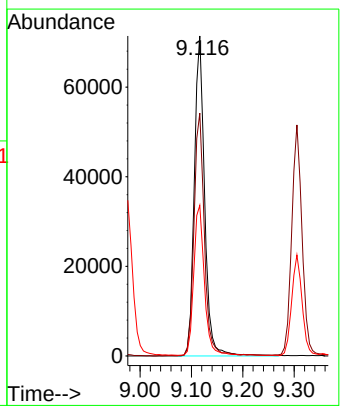
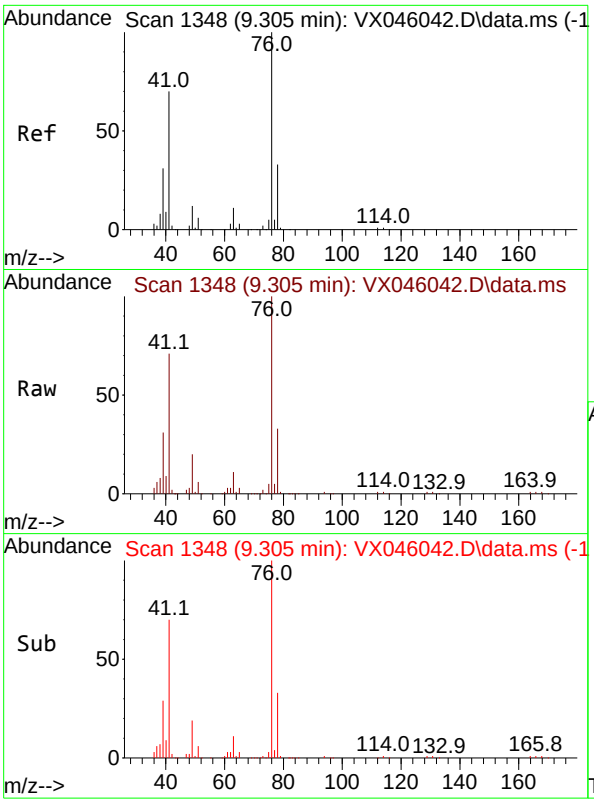


#56
Ethyl methacrylate
Concen: 39.726 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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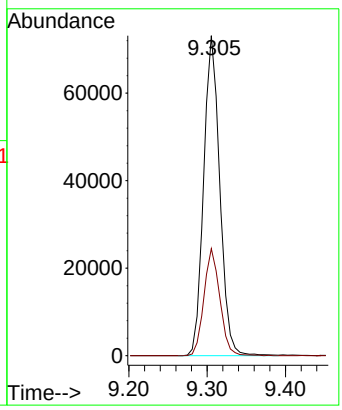
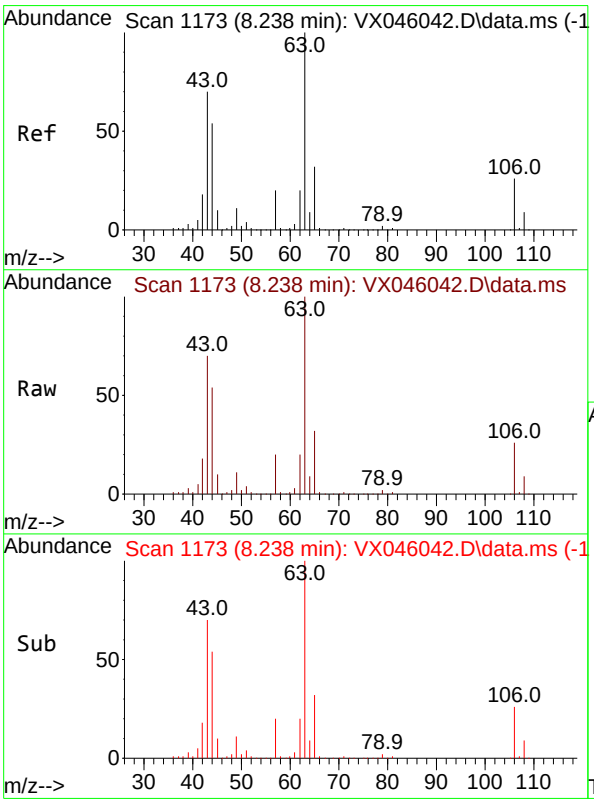
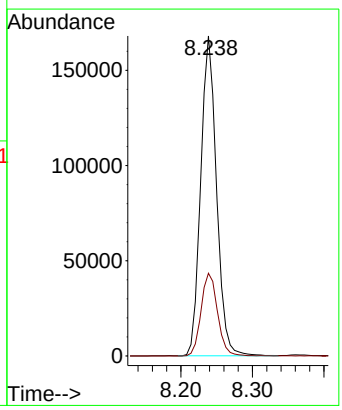


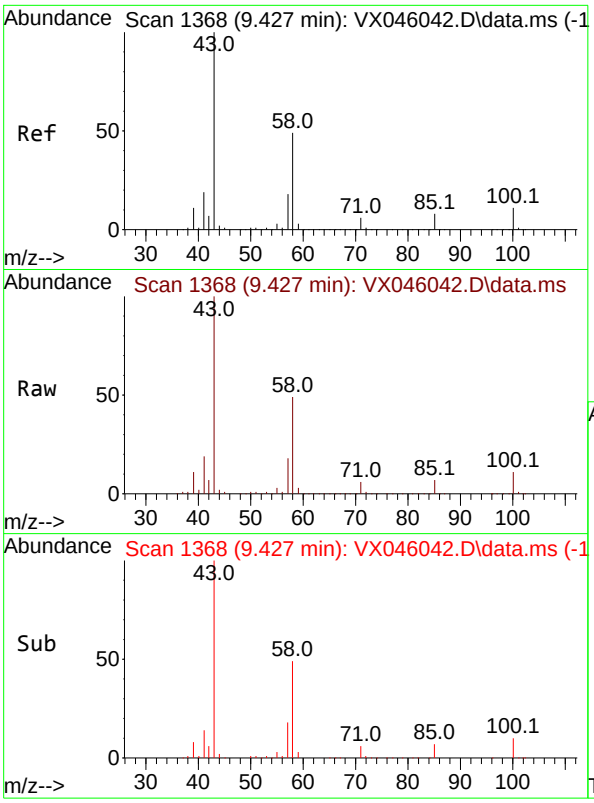


#58
2-Chloroethyl Vinyl ether
Concen: 227.902 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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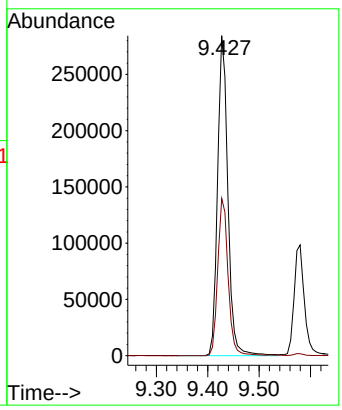
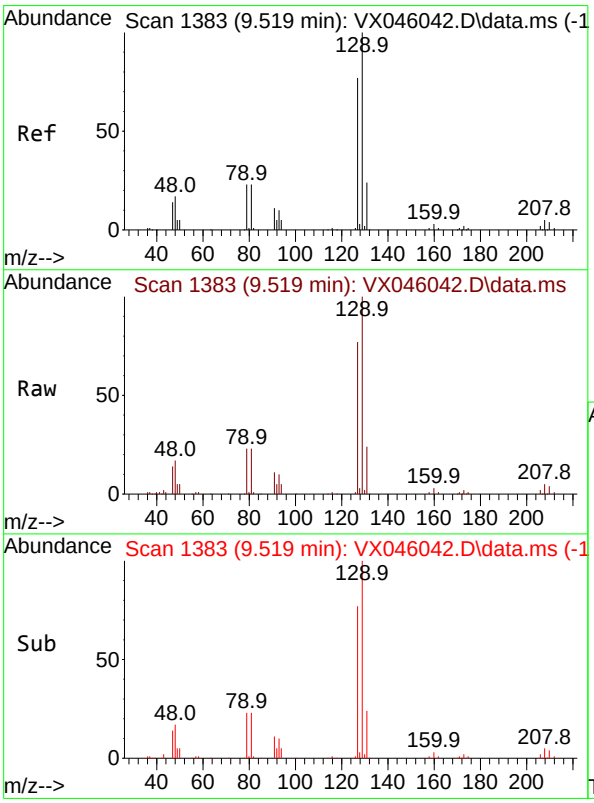
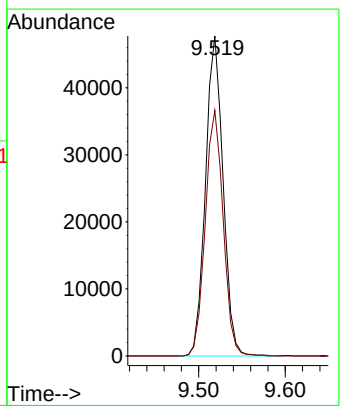


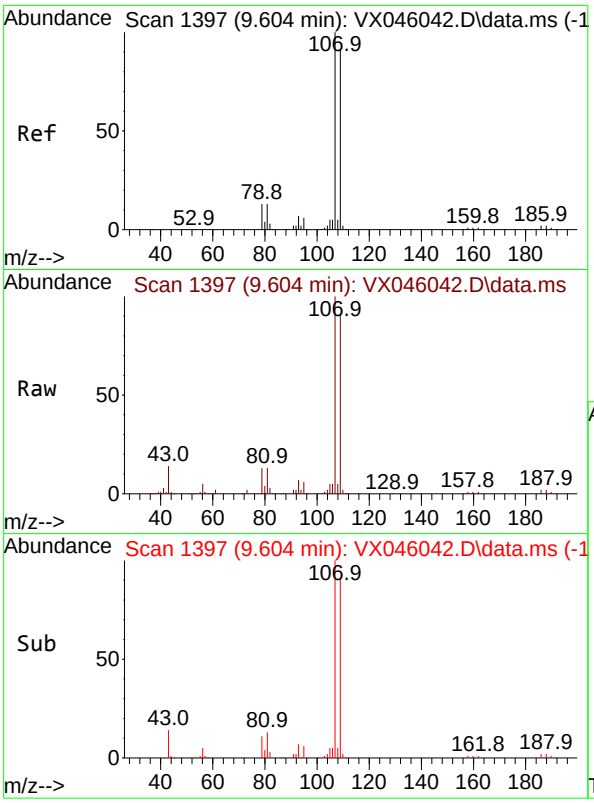


#60
Dibromochloromethane
Concen: 38.027 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:129 Resp: 67198

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8

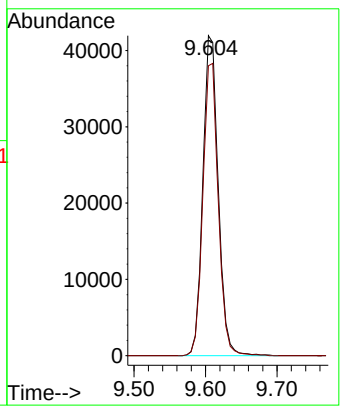




#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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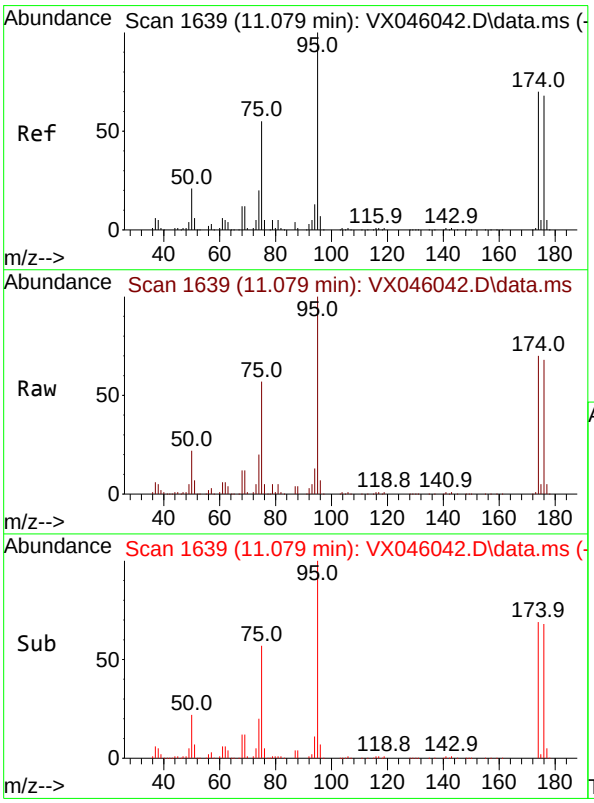
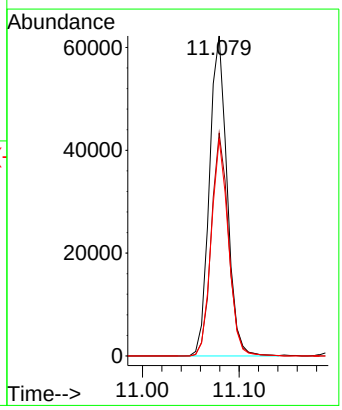
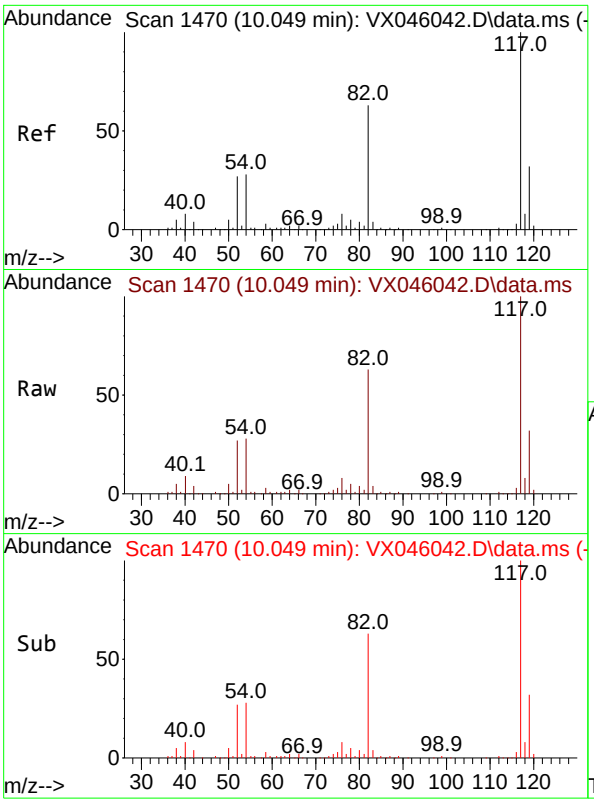


#62
4-Bromofluorobenzene
Concen: 34.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

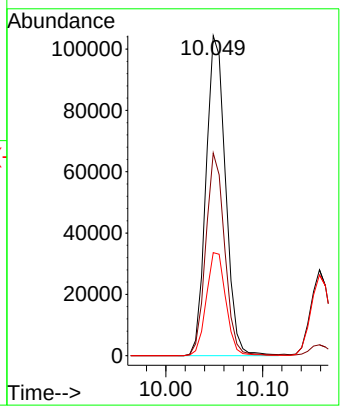




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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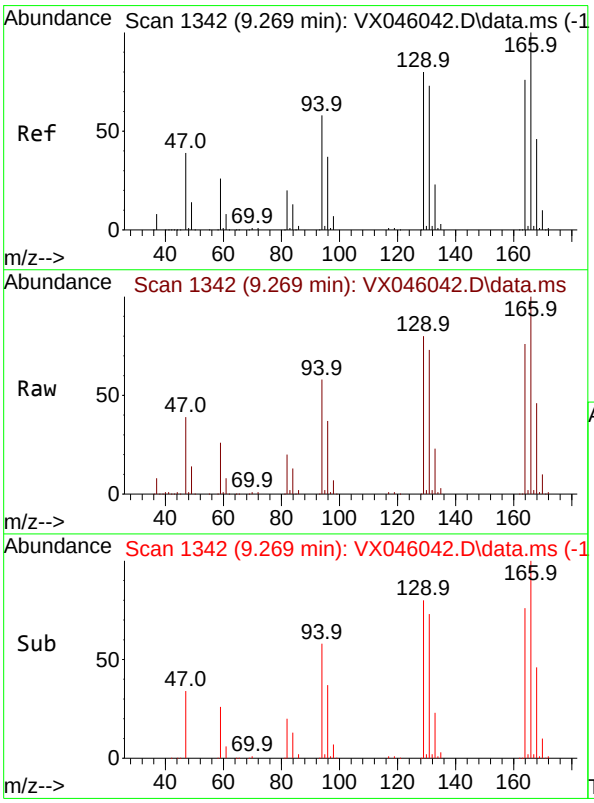
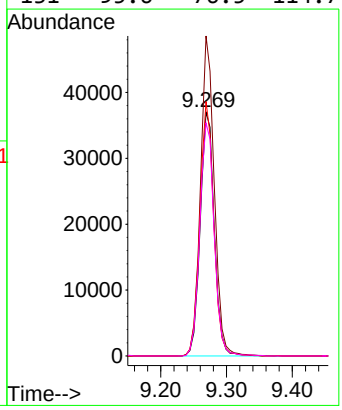
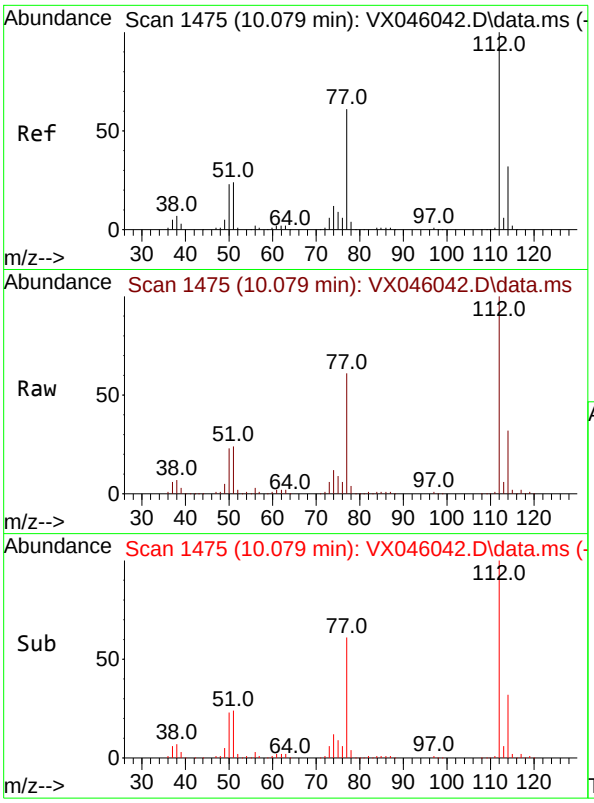


#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

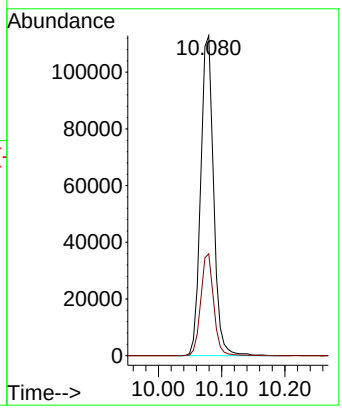




#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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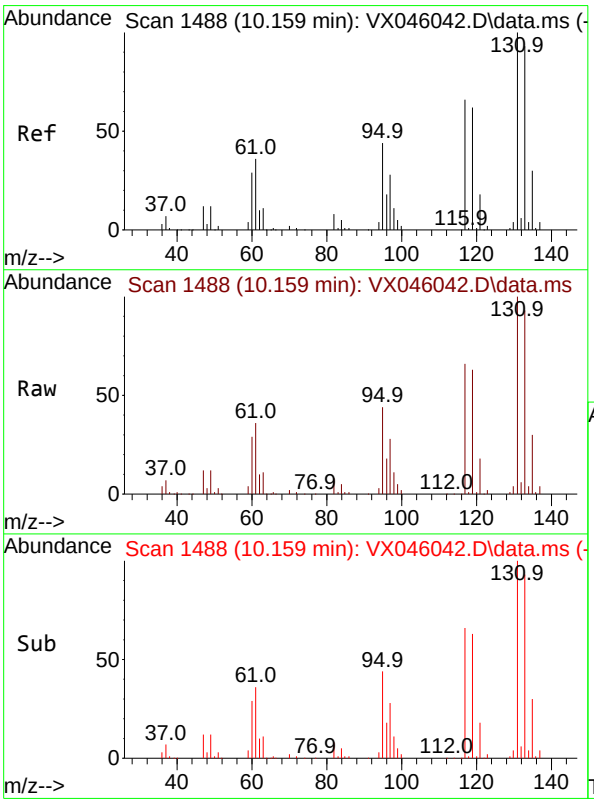
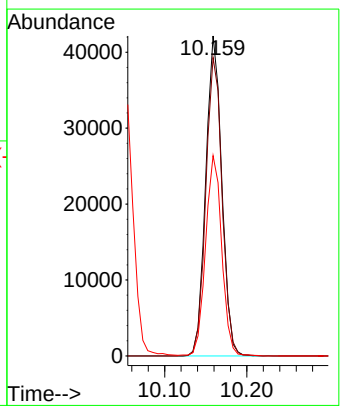
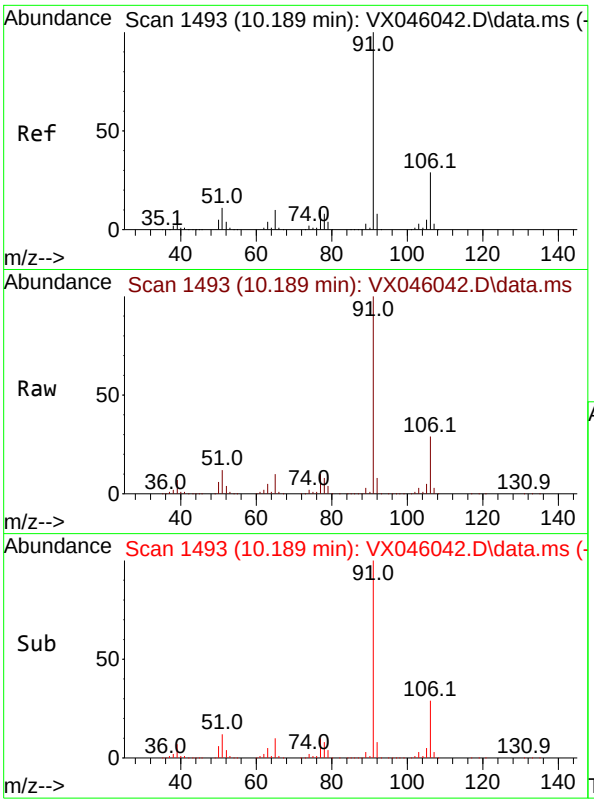


#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

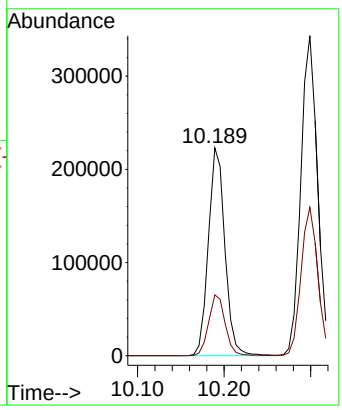




#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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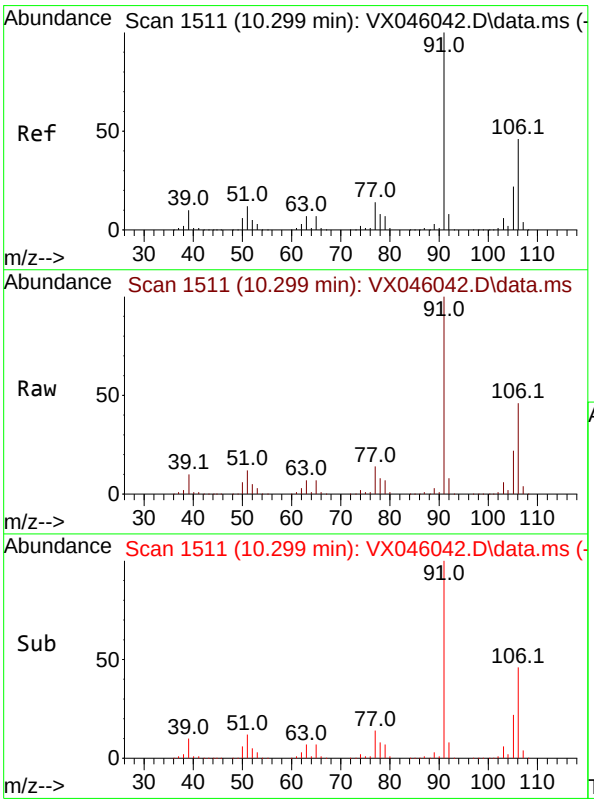
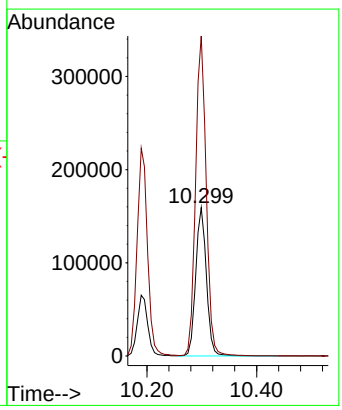
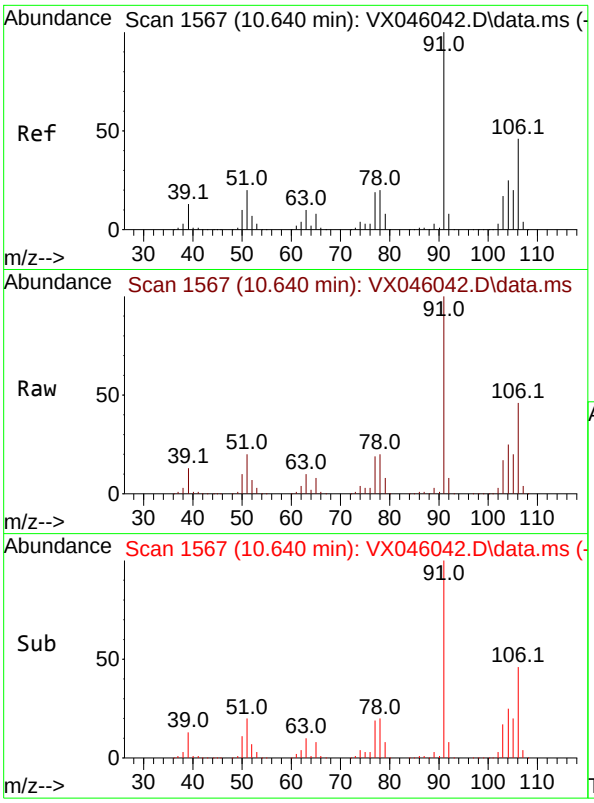


#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

Manual Integrations
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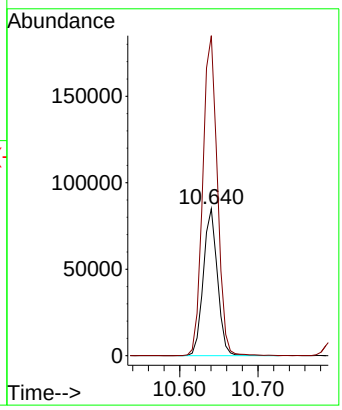
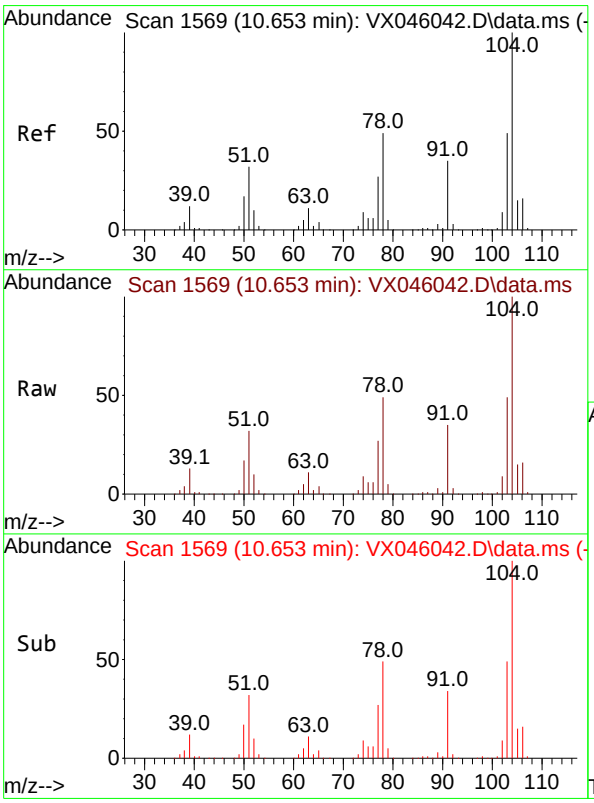
Supervised By :Mahesh Dadoda 05/06/2025

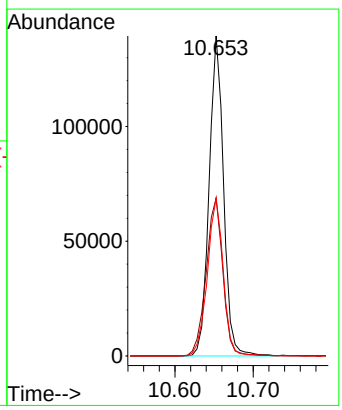


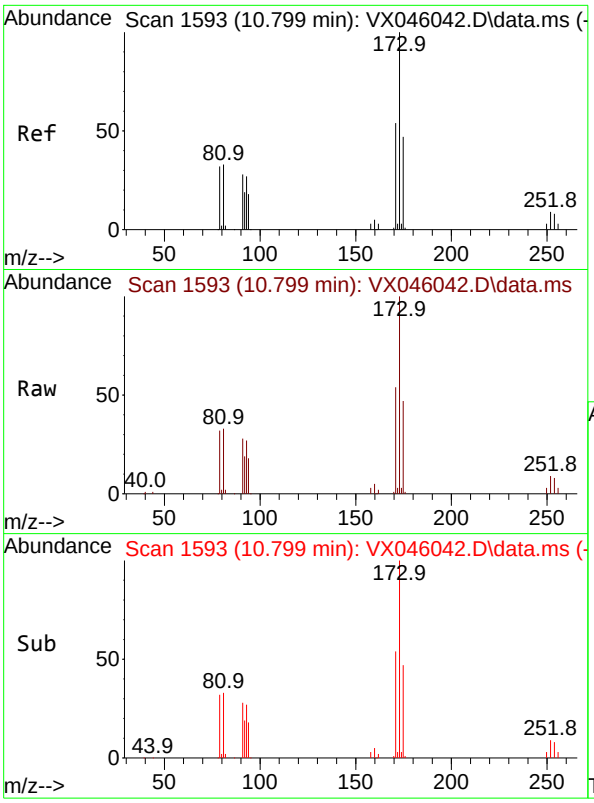


#70
Styrene
Concen: 39.888 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

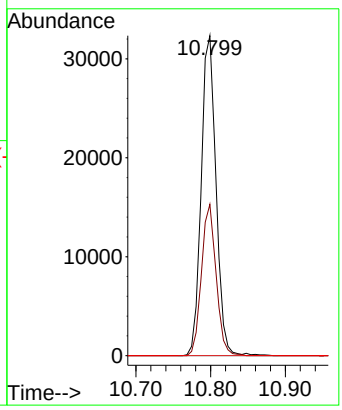




#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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 :
MSVOA_X
ClientSampleId :
VSTDICCC050

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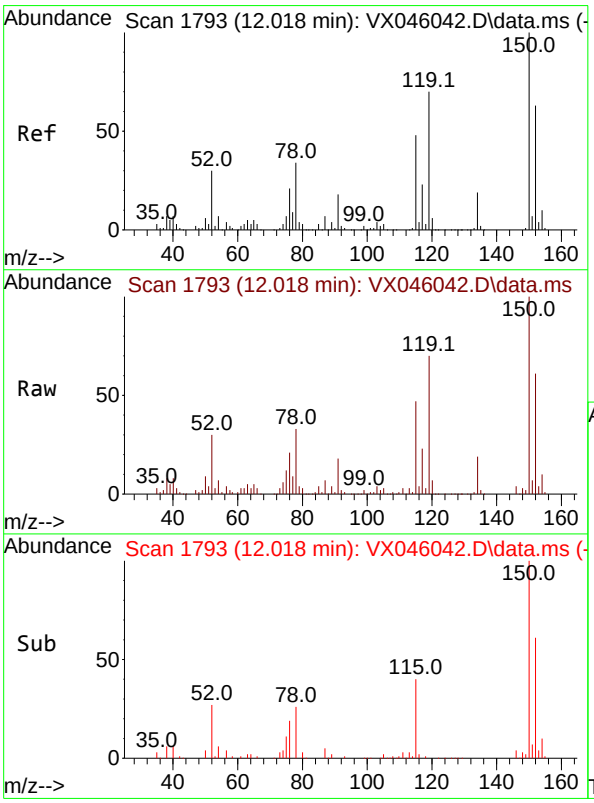
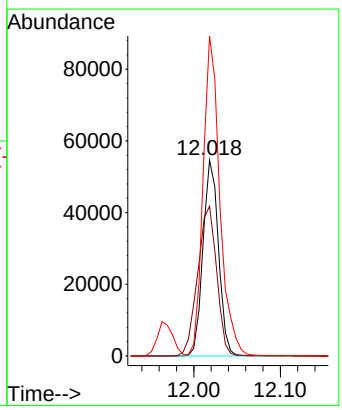
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

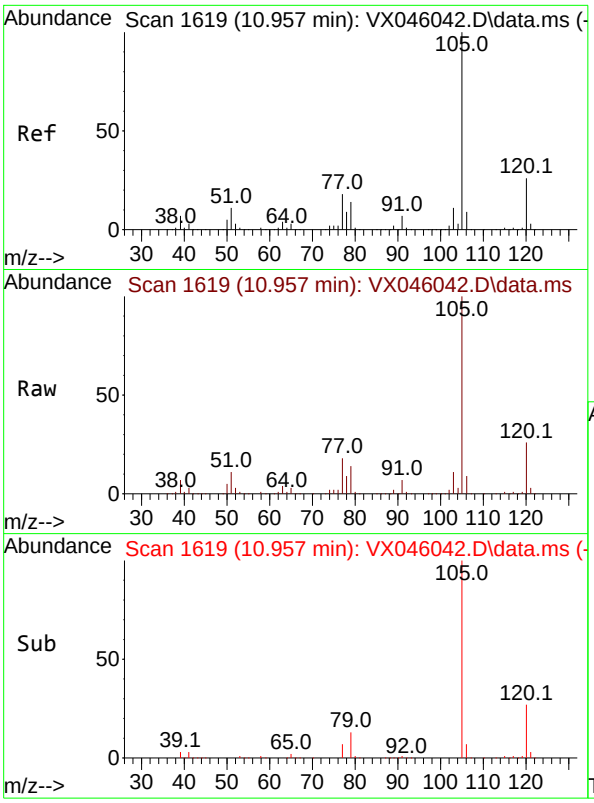


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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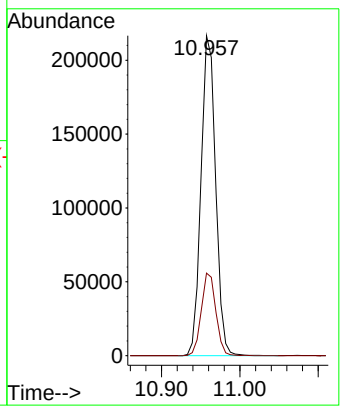
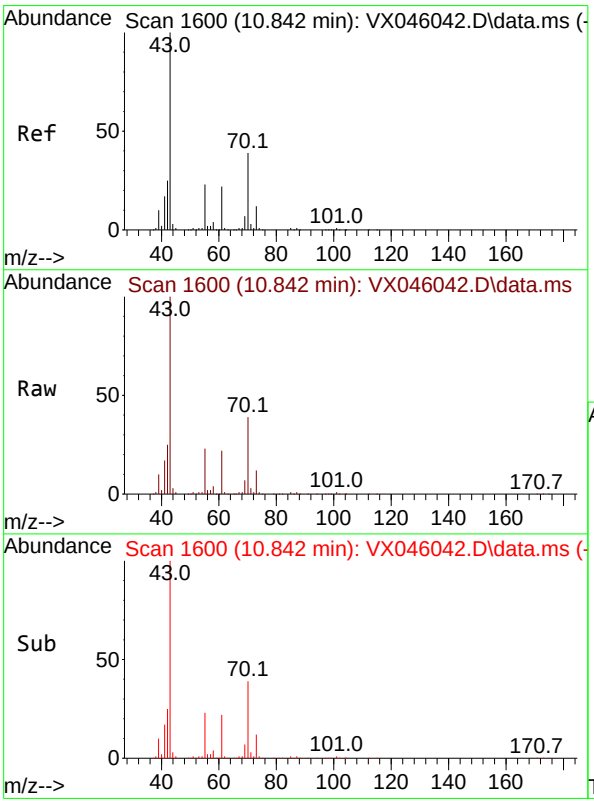
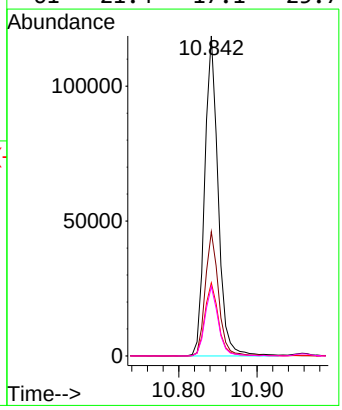


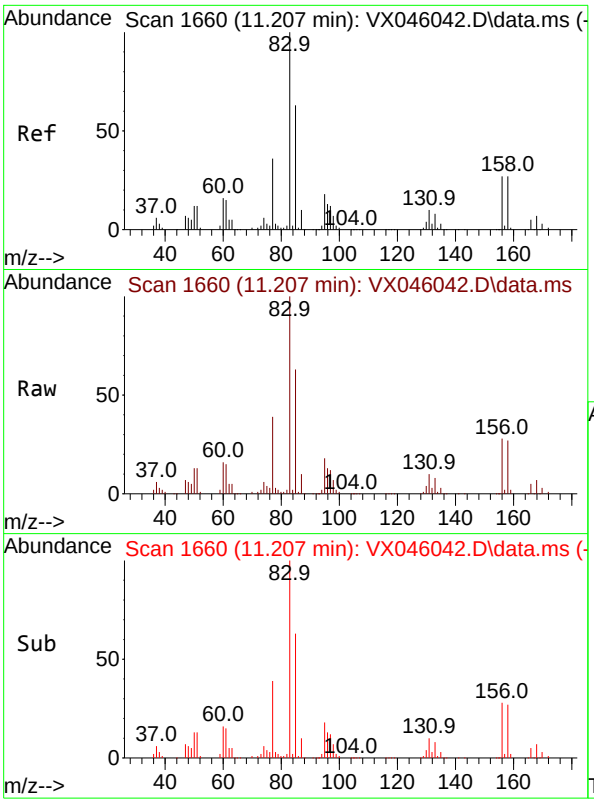


#74
N-amyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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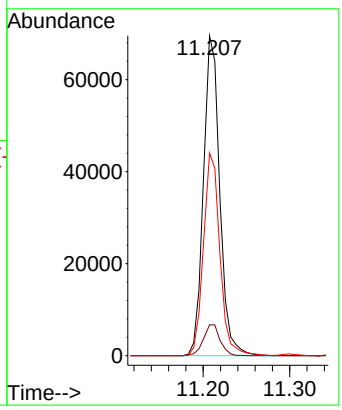
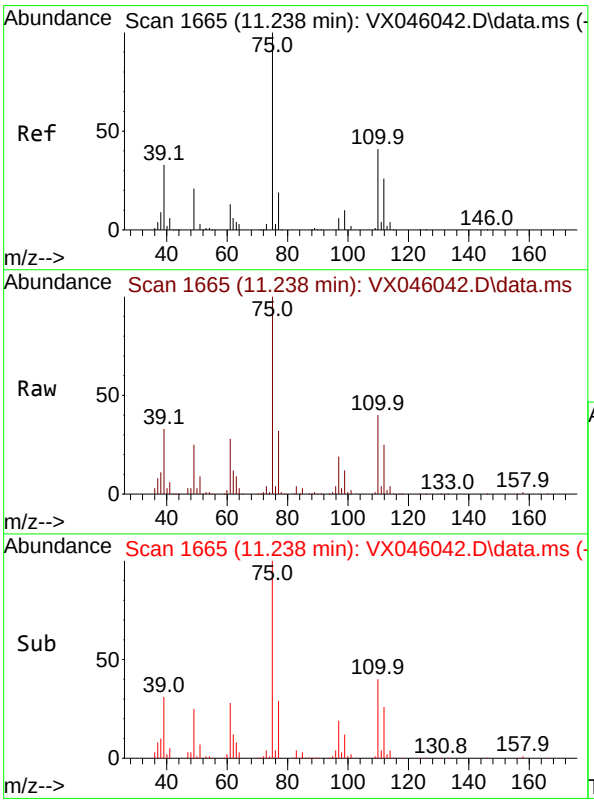
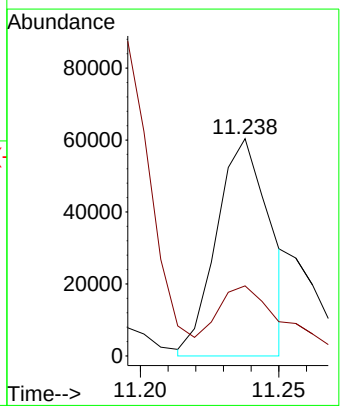


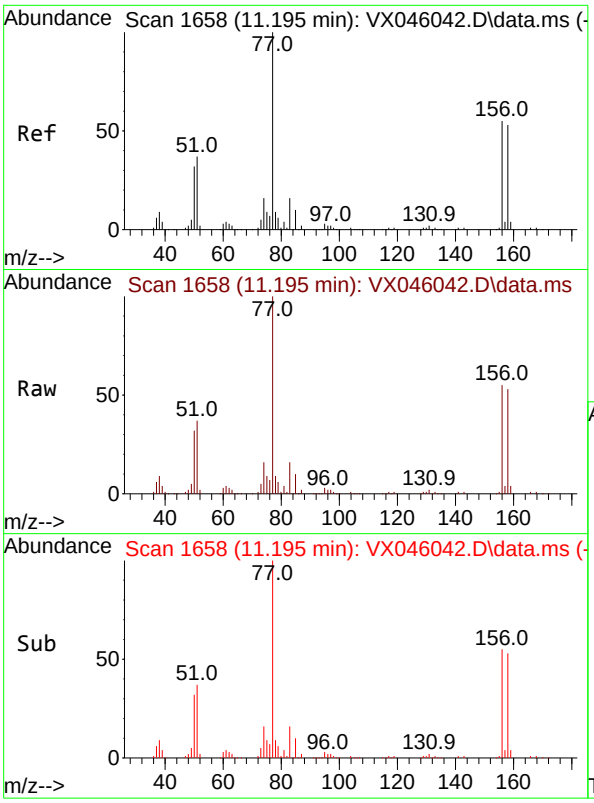


#76
1,2,3-Trichloropropane
Concen: 28.468 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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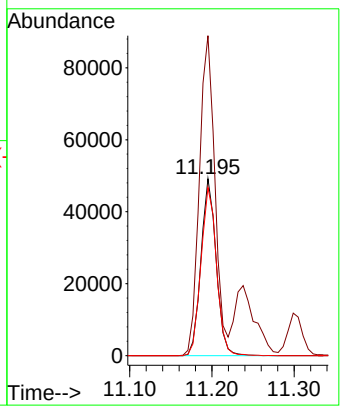
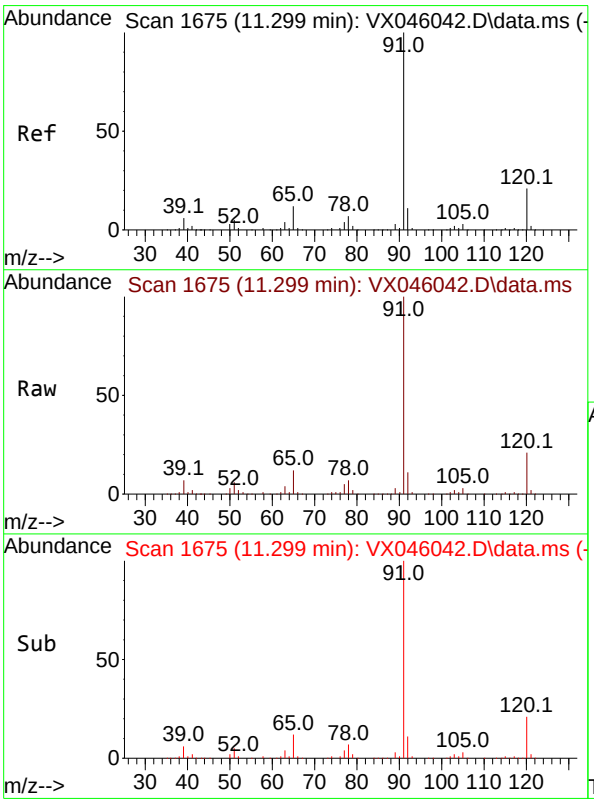
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

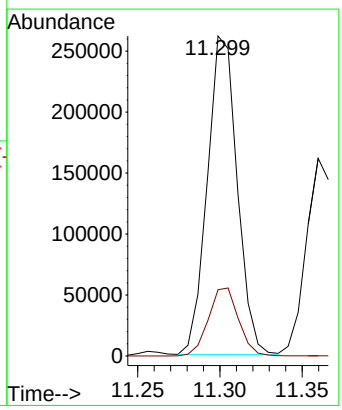


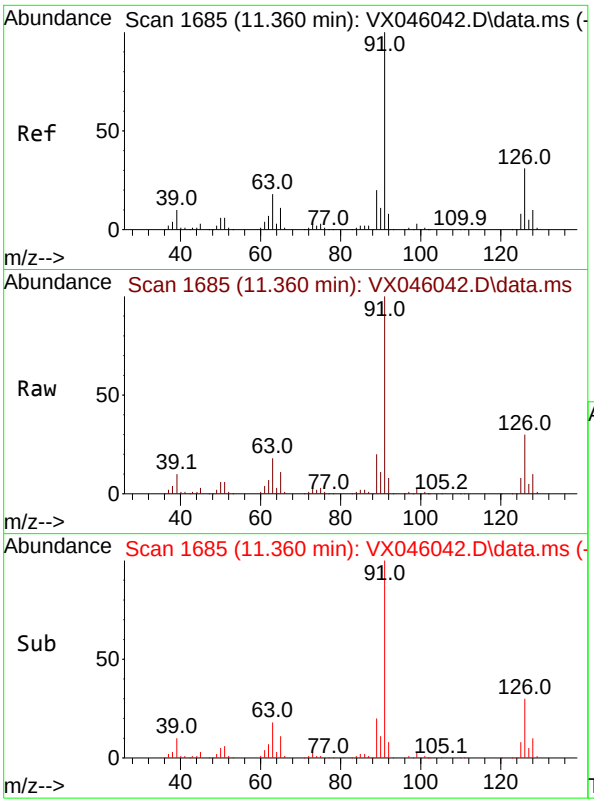


#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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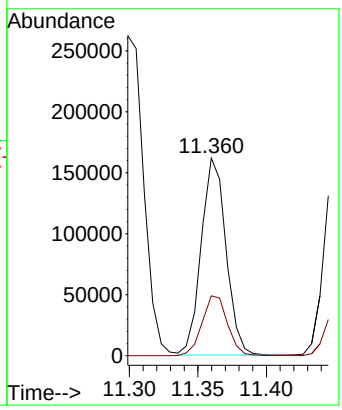
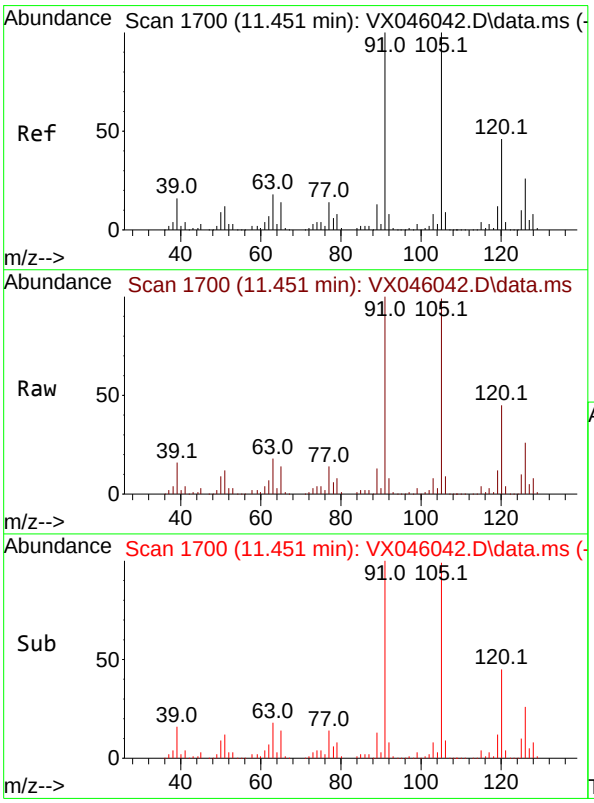
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

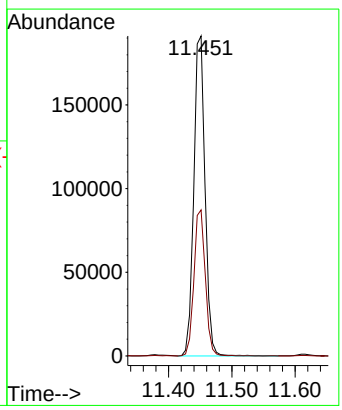


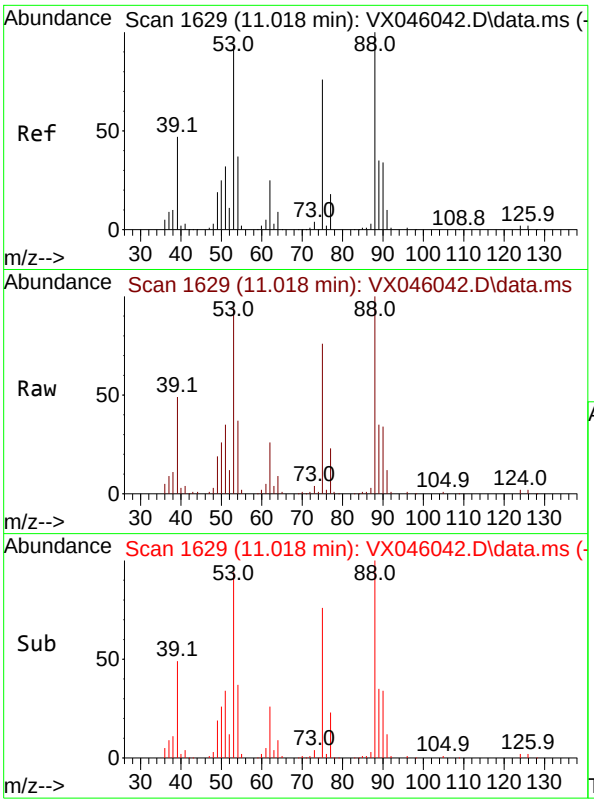


#80
1,3,5-Trimethylbenzene
Concen: 38.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

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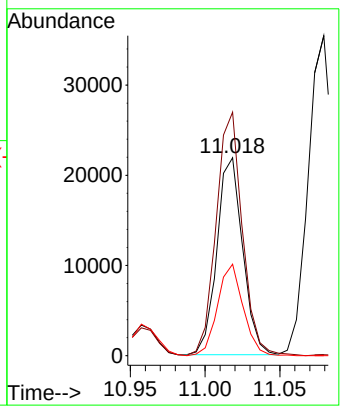
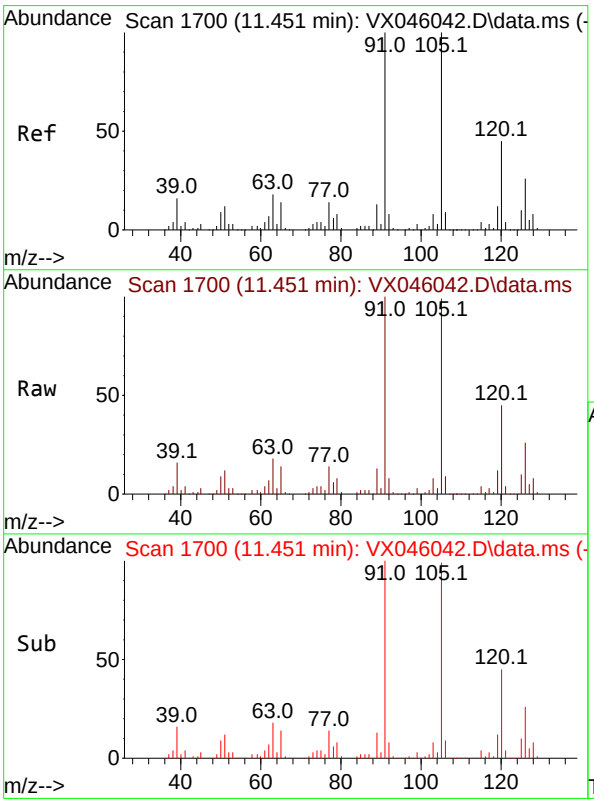
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

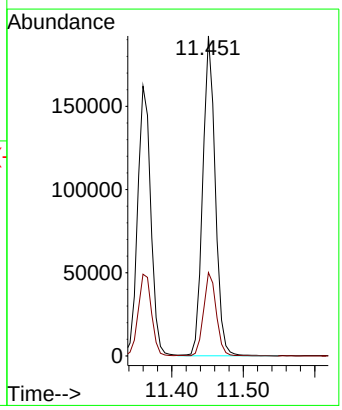


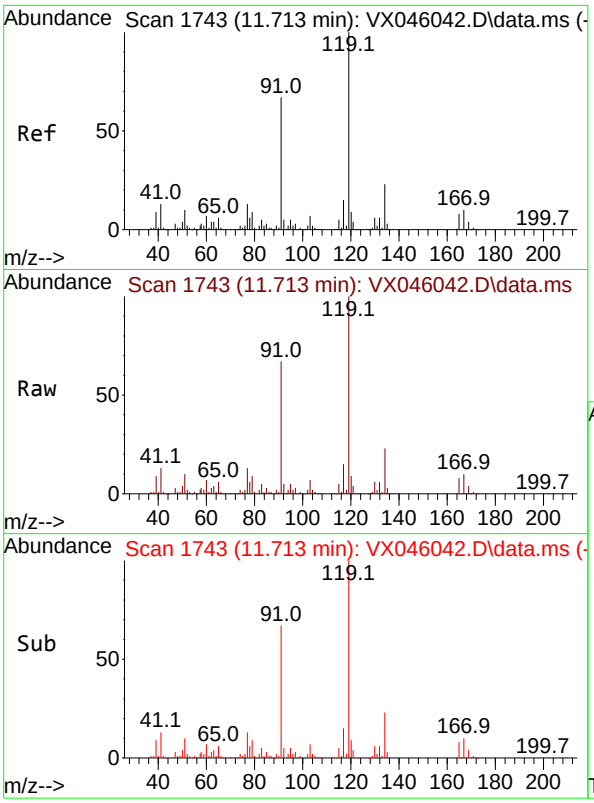


#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 233172

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

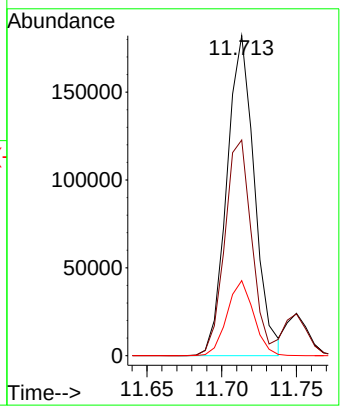




#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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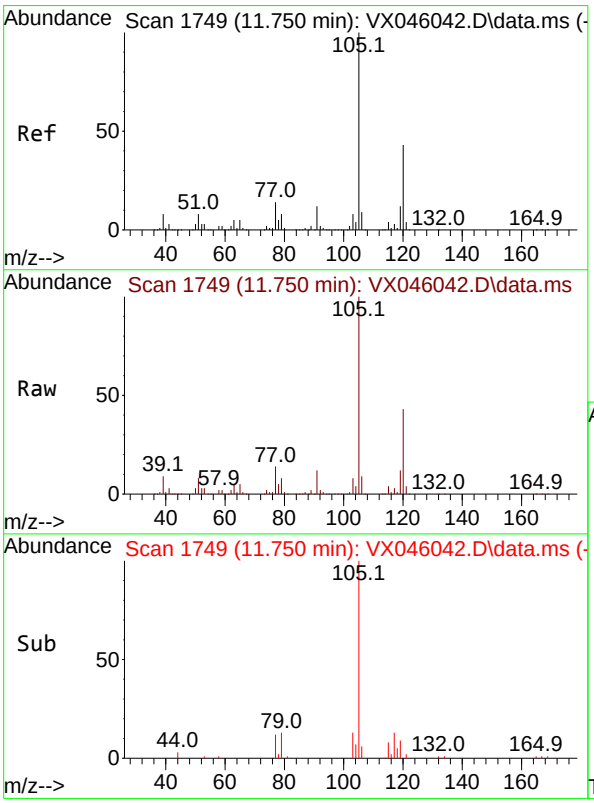
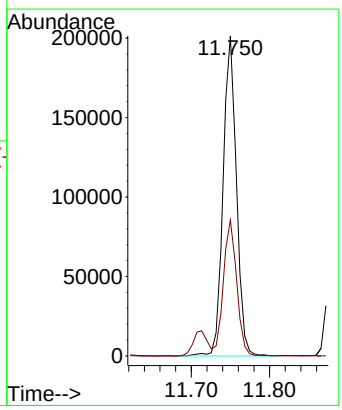
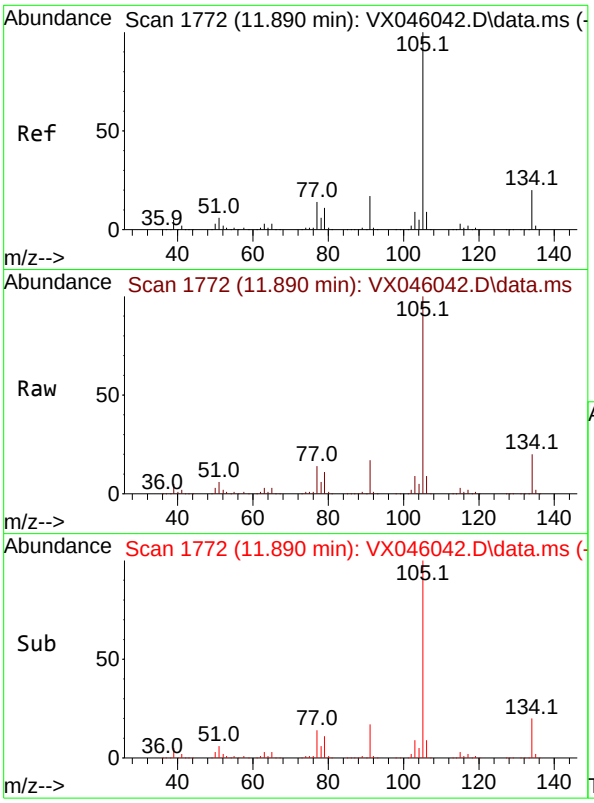


#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6

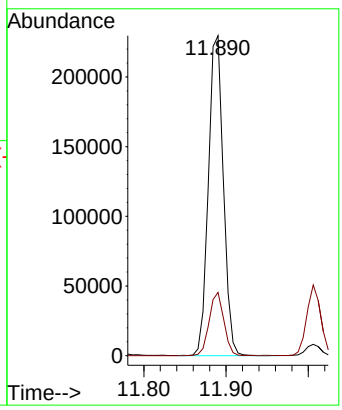




#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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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Reviewed By :John Carlone 05/06/2025
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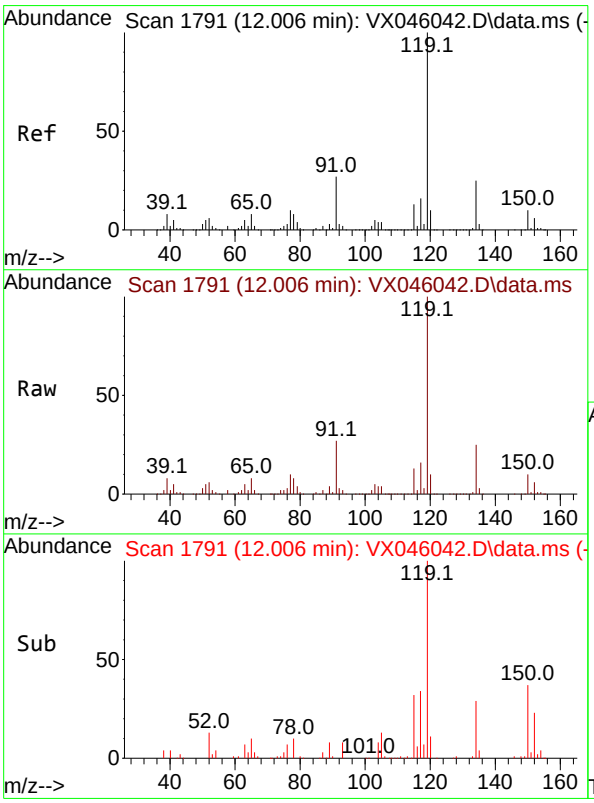
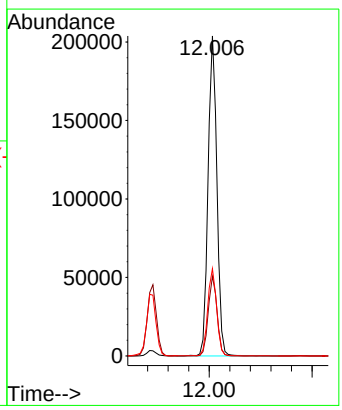
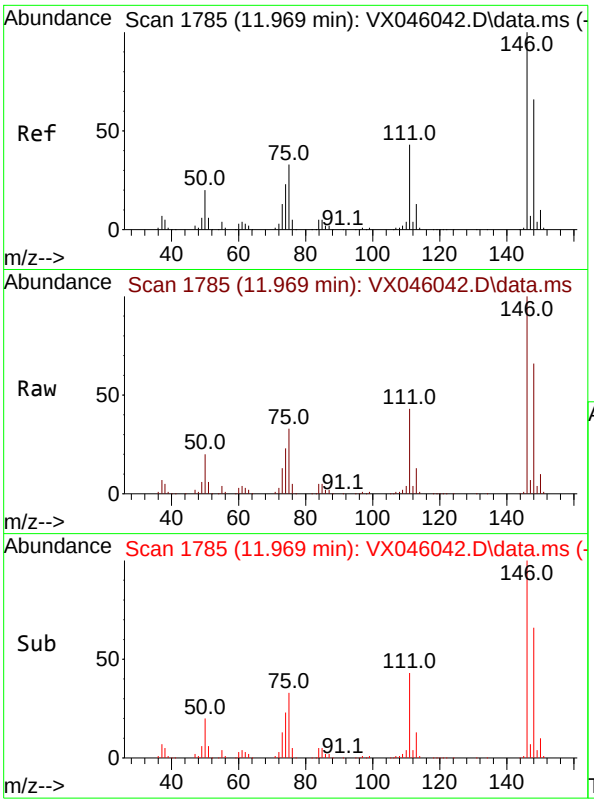


#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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
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Reviewed By :John Carlone 05/06/2025
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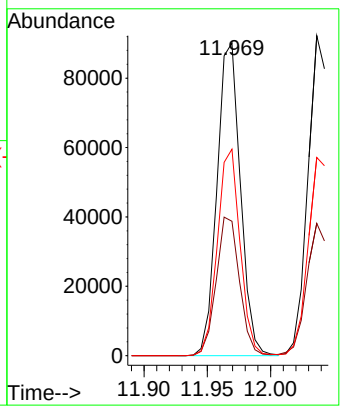
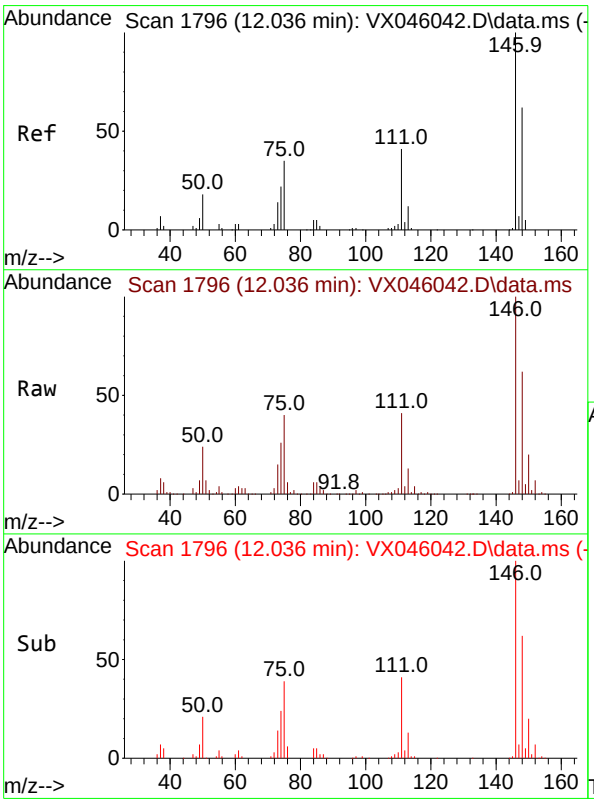
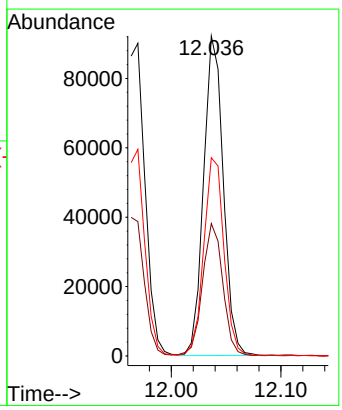


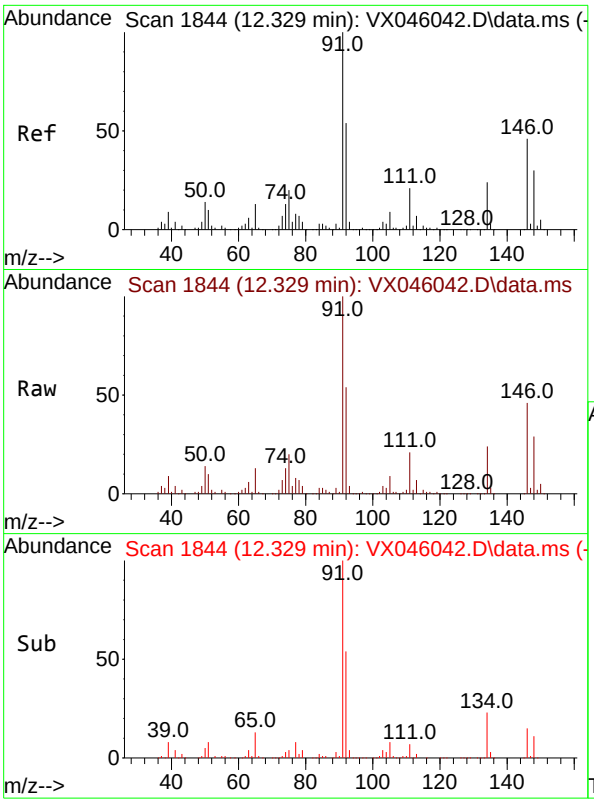


#88
1,4-Dichlorobenzene
Concen: 36.763 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

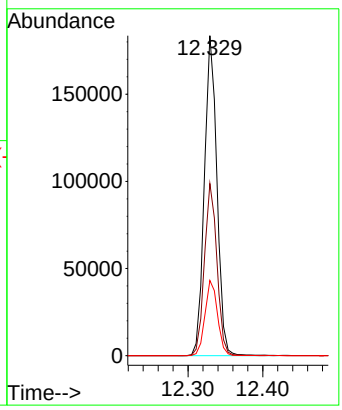




#89
n-Butylbenzene
Concen: 40.603 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 213899

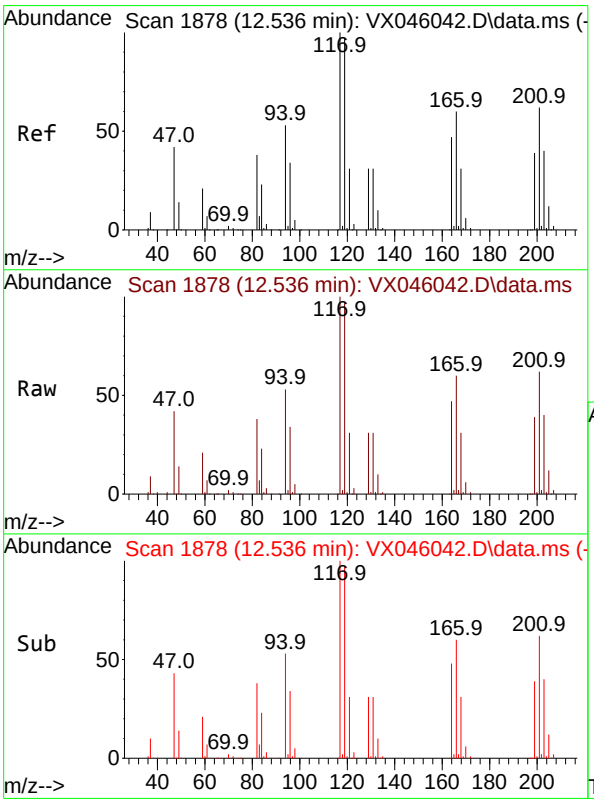
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	23.5	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

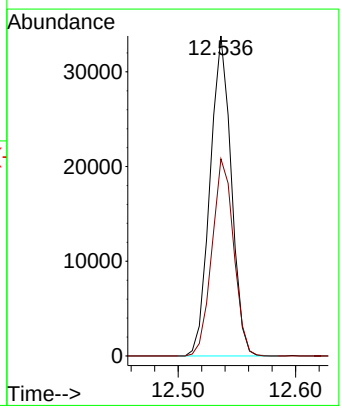
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

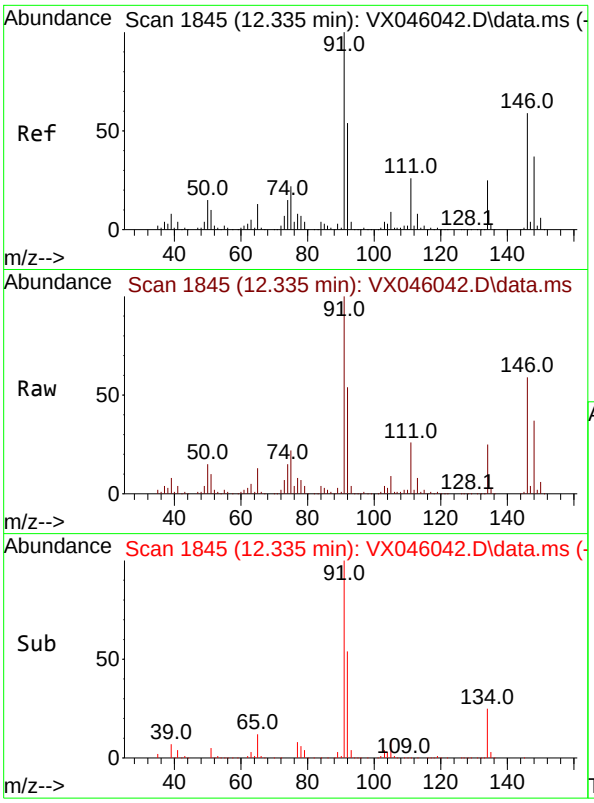


#90
Hexachloroethane
Concen: 37.534 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 42314

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7

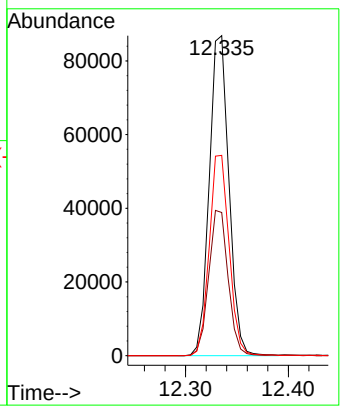




#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 11528

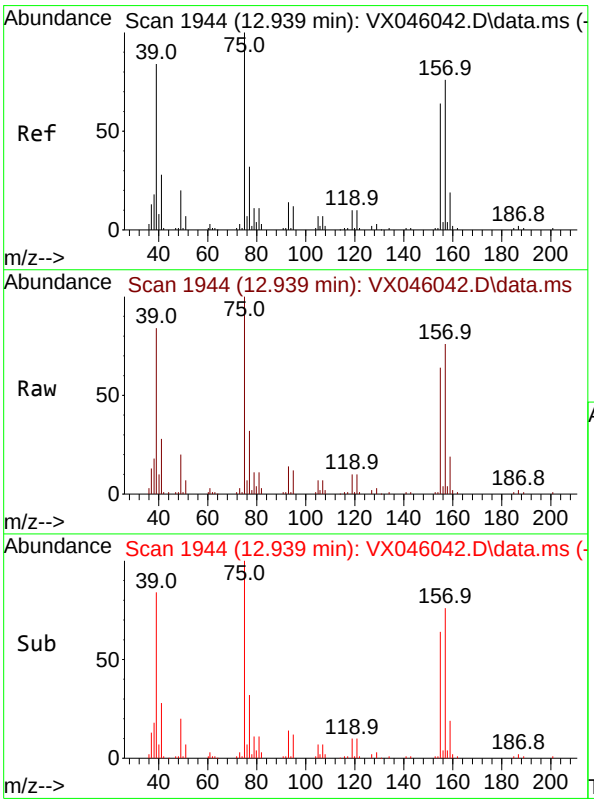
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	63.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

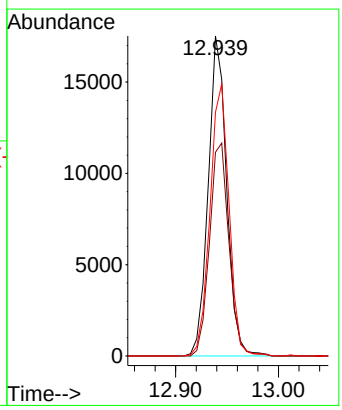
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

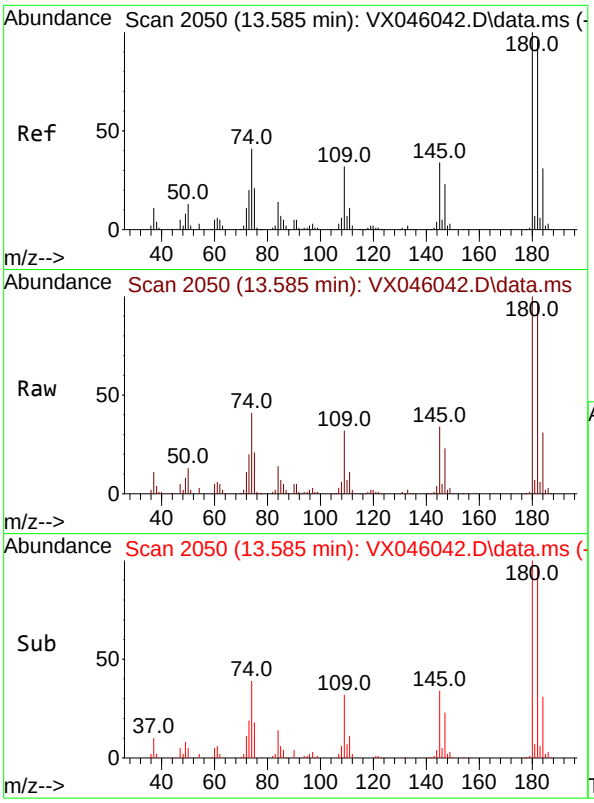


#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

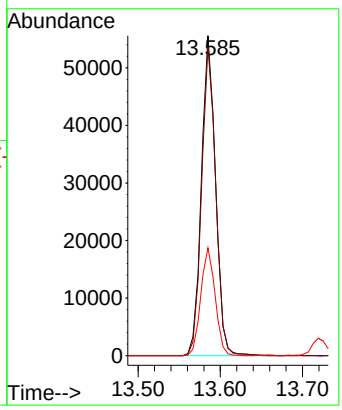




#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 6665

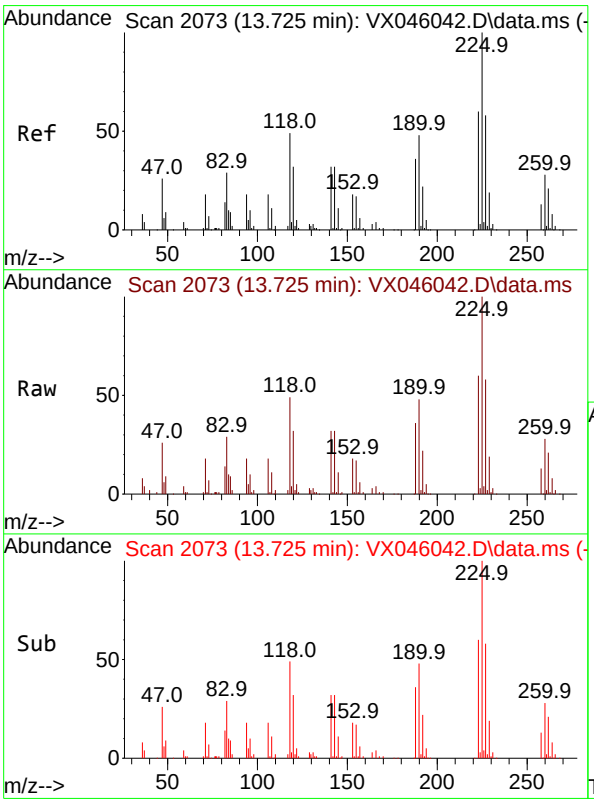
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

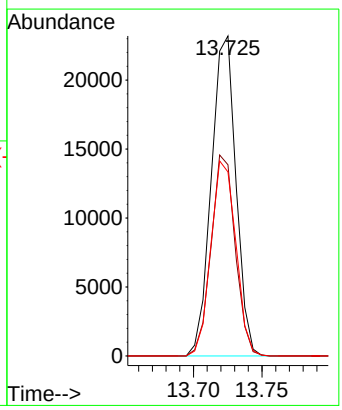
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

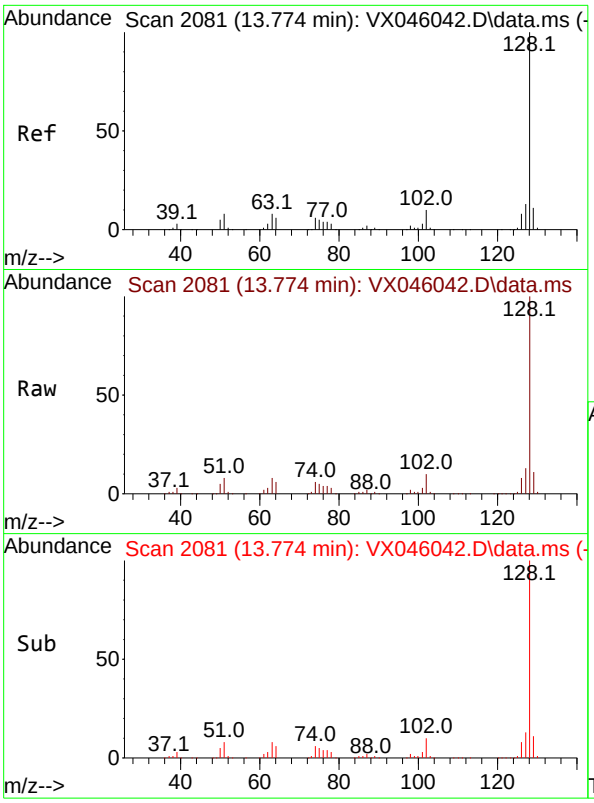


#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

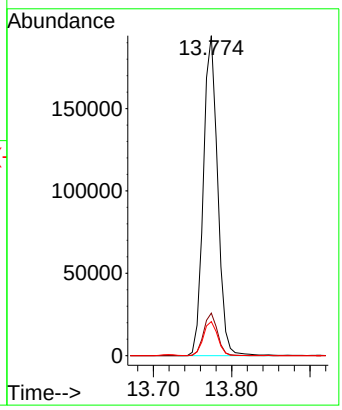




#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:128 Resp: 24556

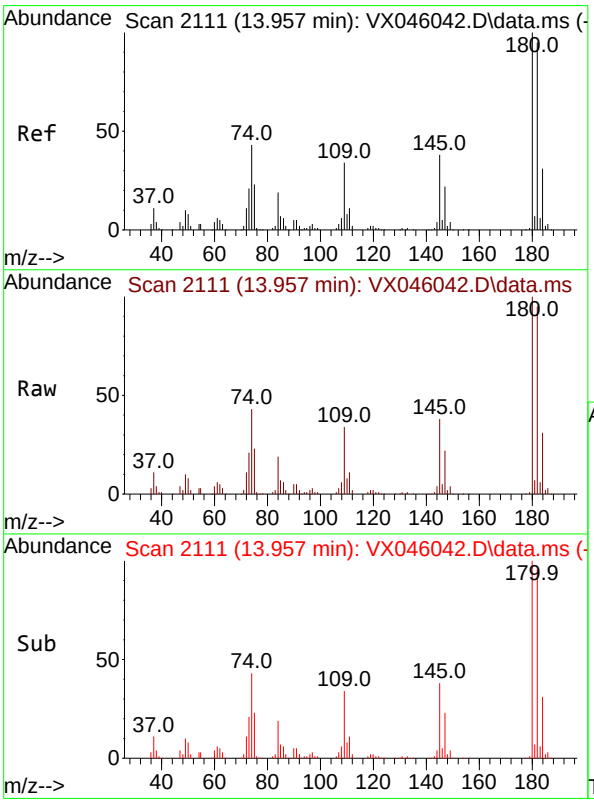
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

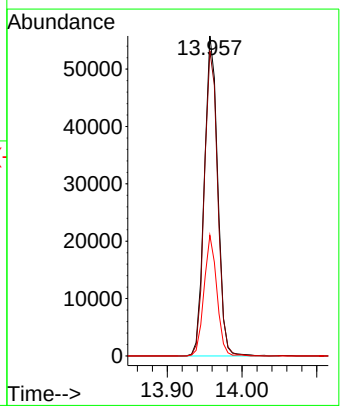
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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)

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)
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

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

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

ICAL Form

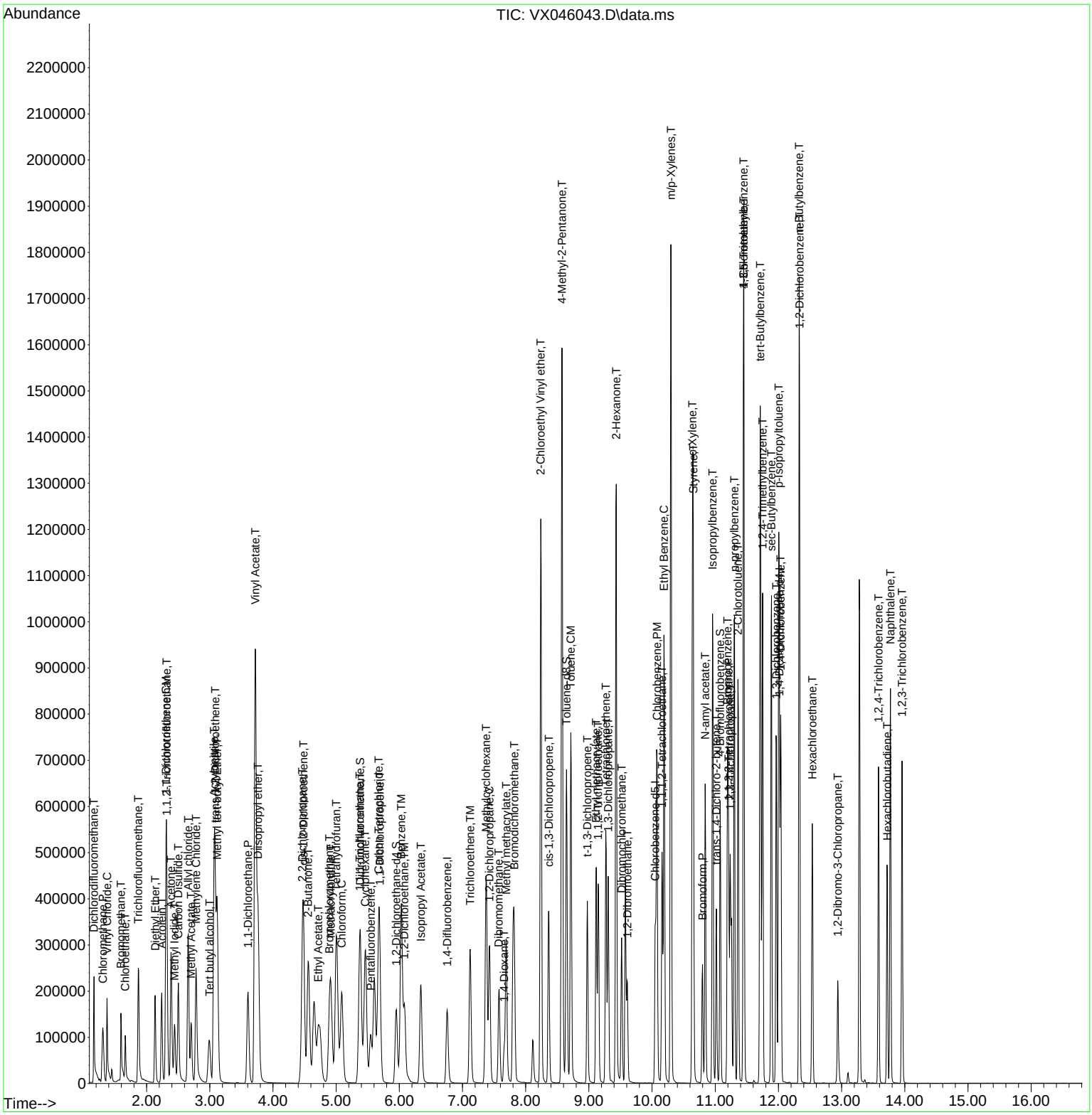
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

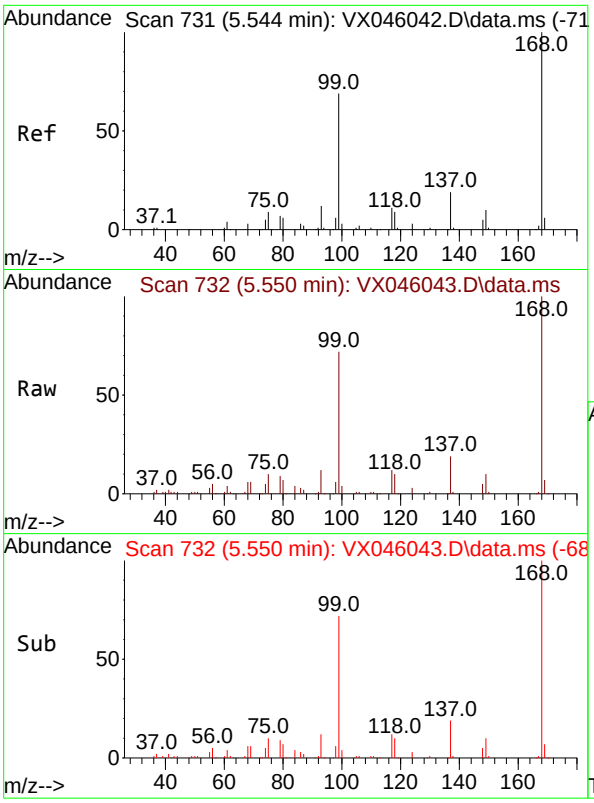
Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

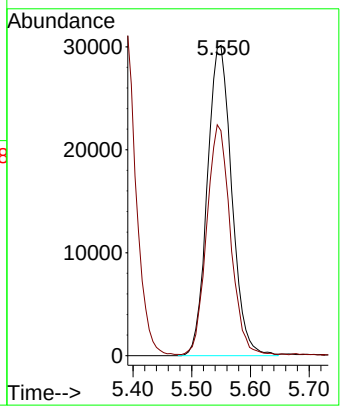




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:168 Resp: 8702

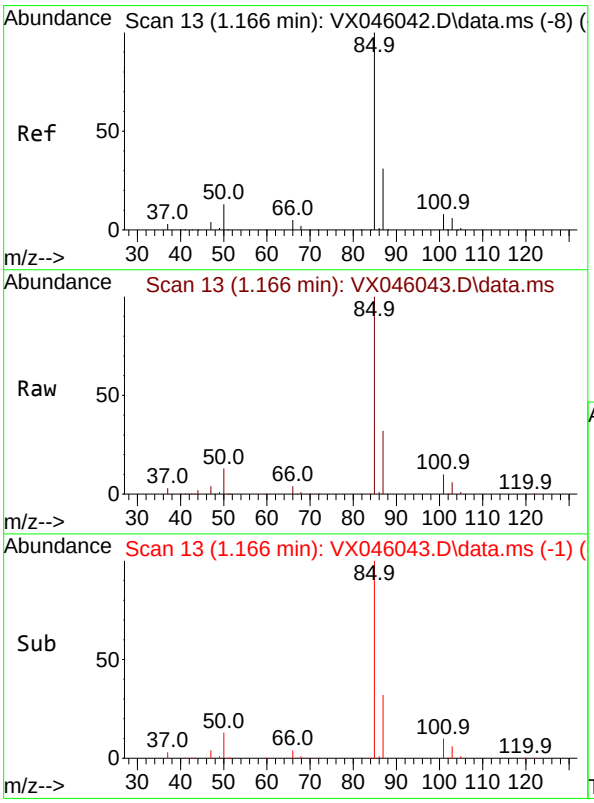
Ion	Ratio	Lower	Upper
168	100		
99	72.1	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

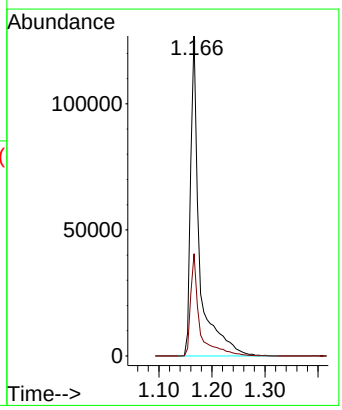
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

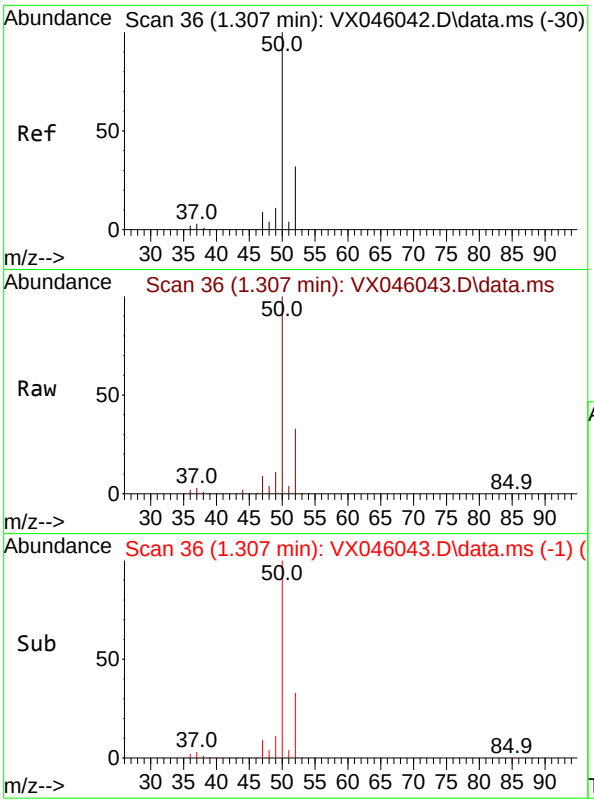


#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 85 Resp: 149508

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.1

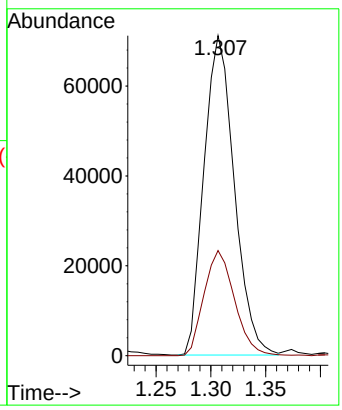




#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 50 Resp: 13693

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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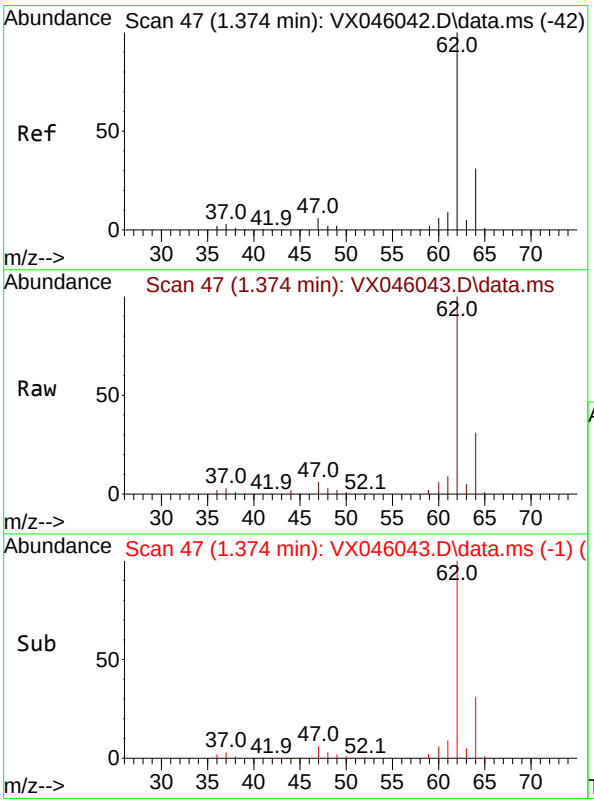
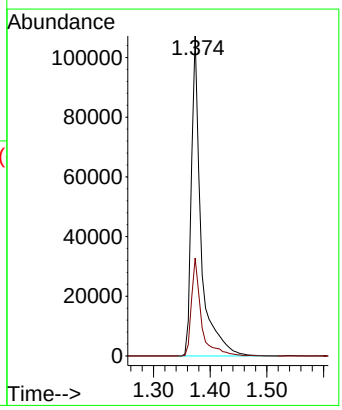
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

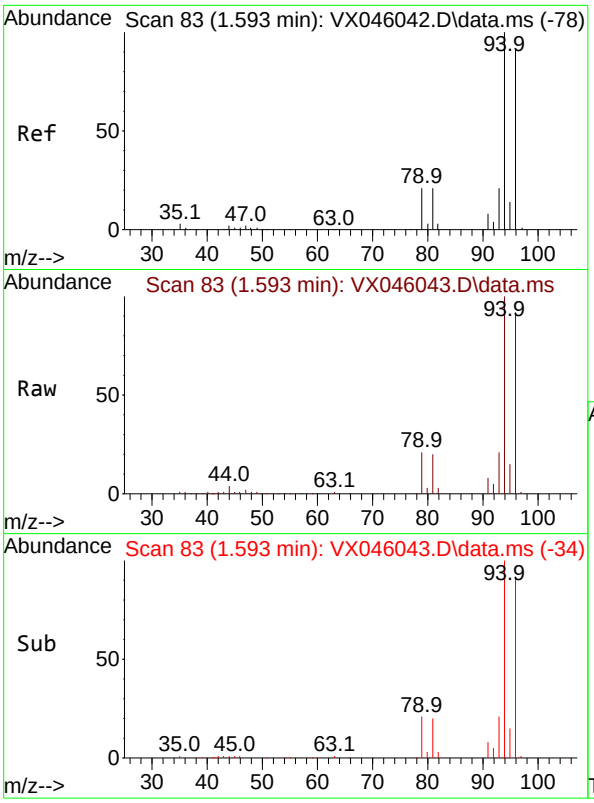


#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 126609

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.2	37.8

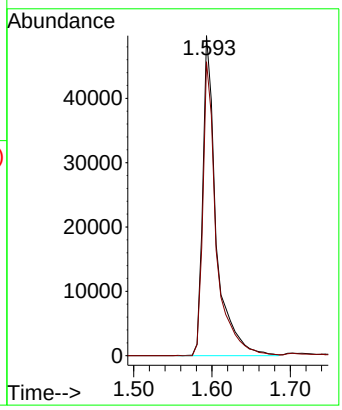




#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 94 Resp: 5924

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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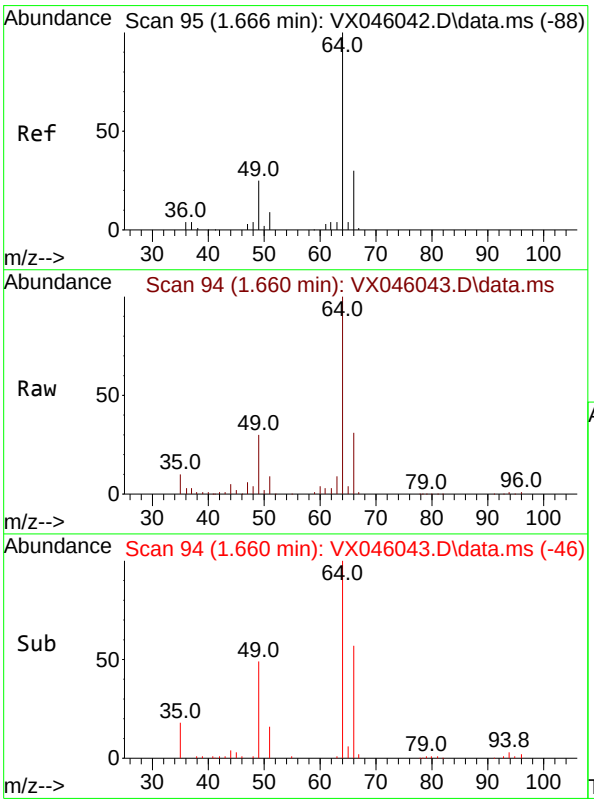
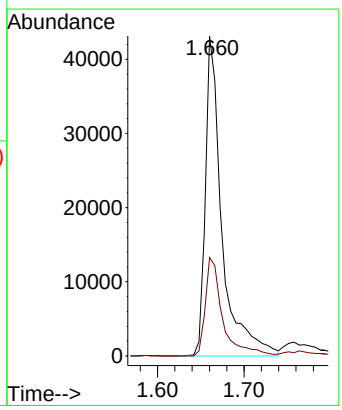
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

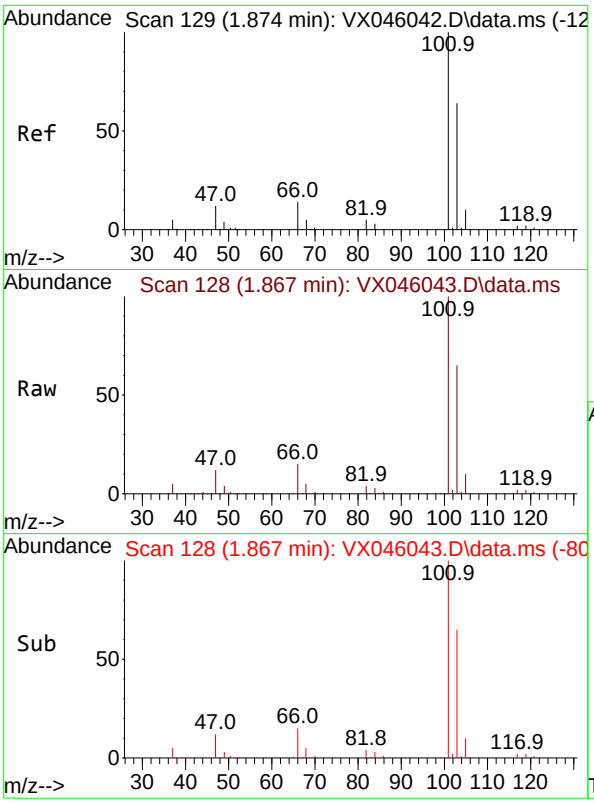


#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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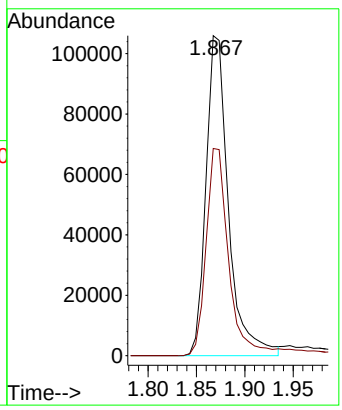
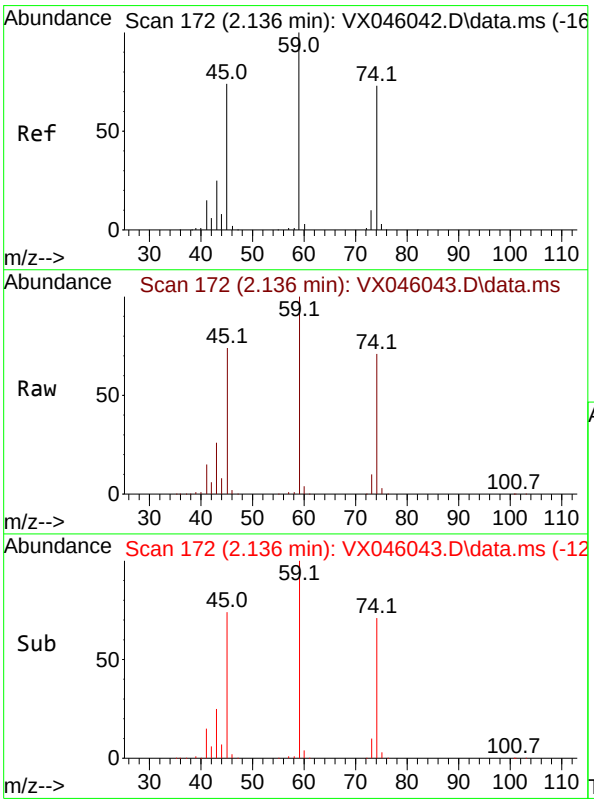
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

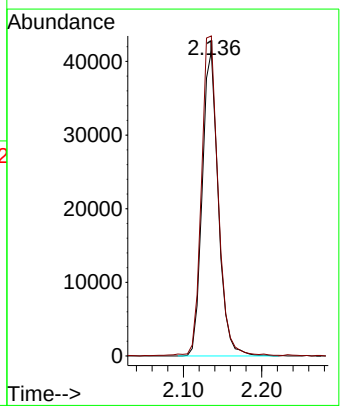


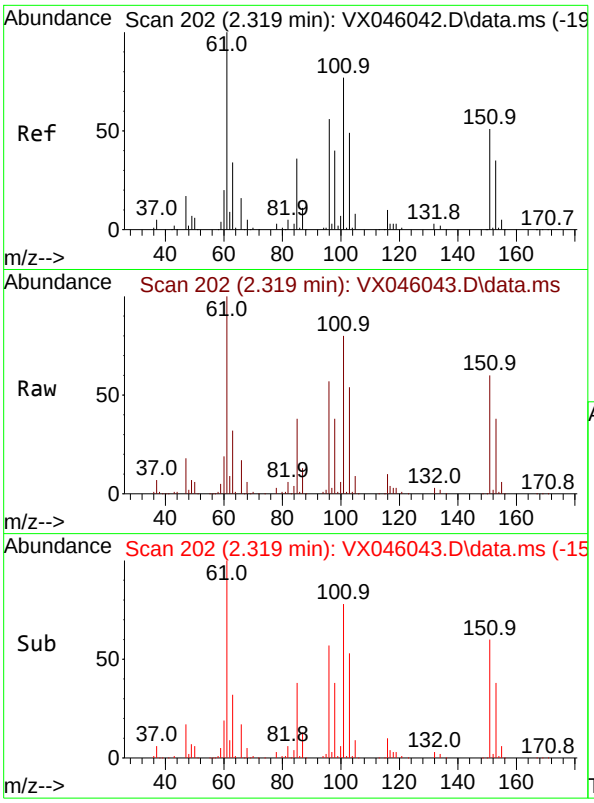


#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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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Reviewed By :John Carlone 05/06/2025
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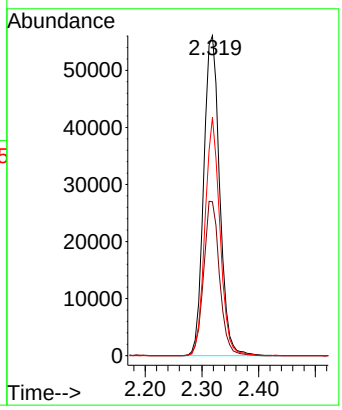
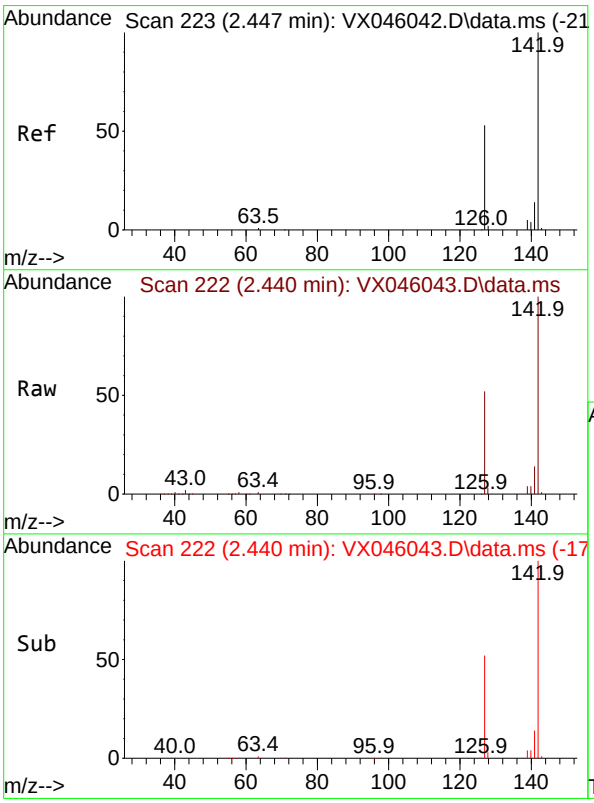
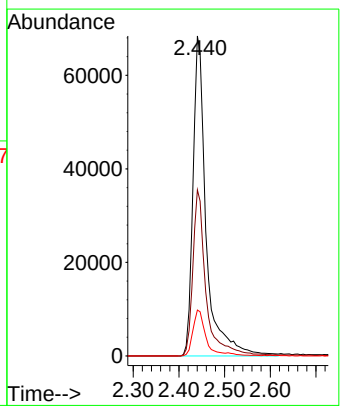


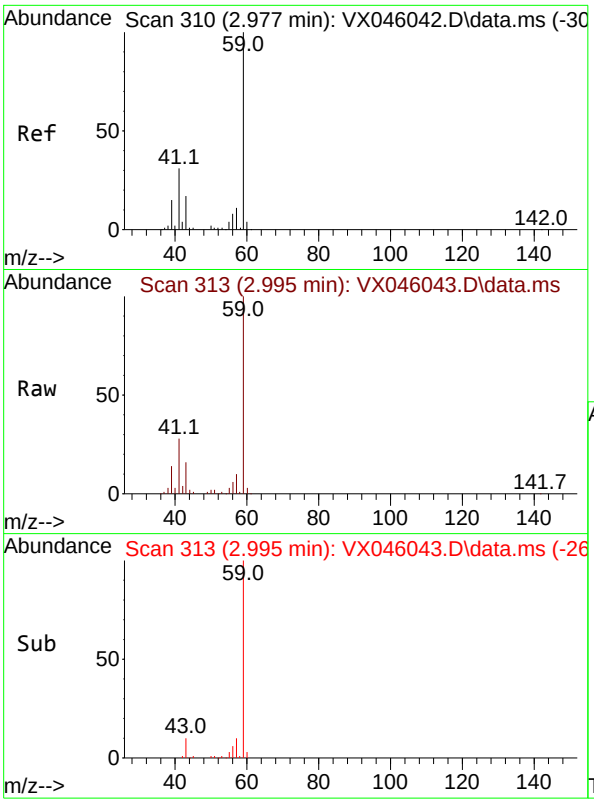


#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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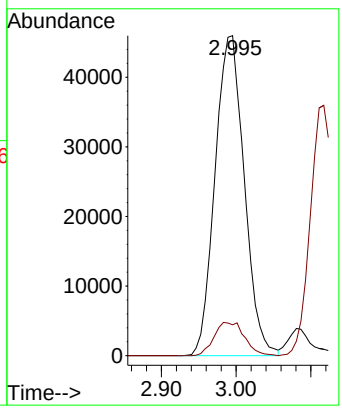
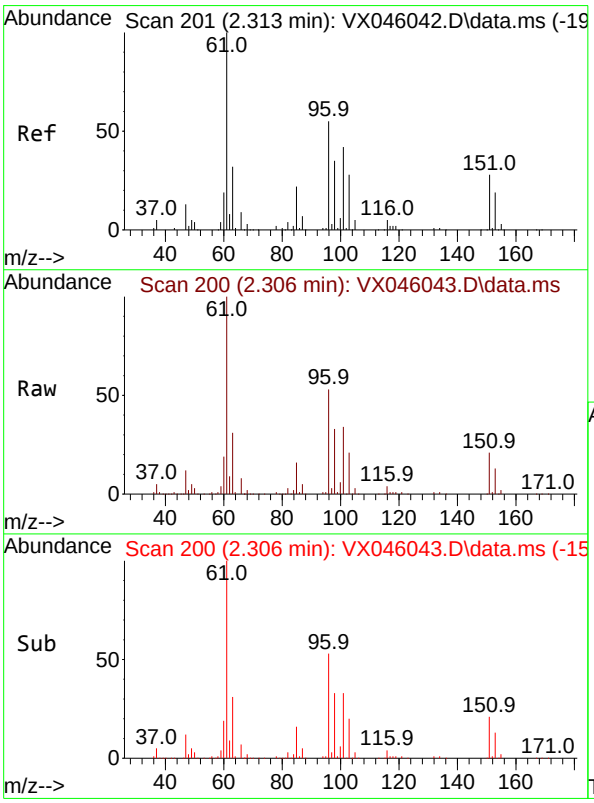
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

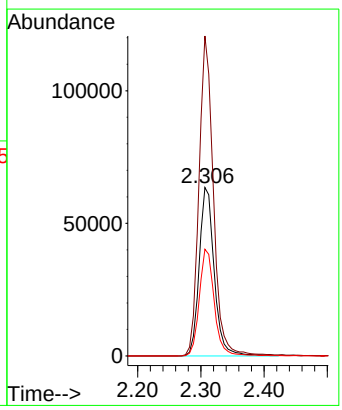


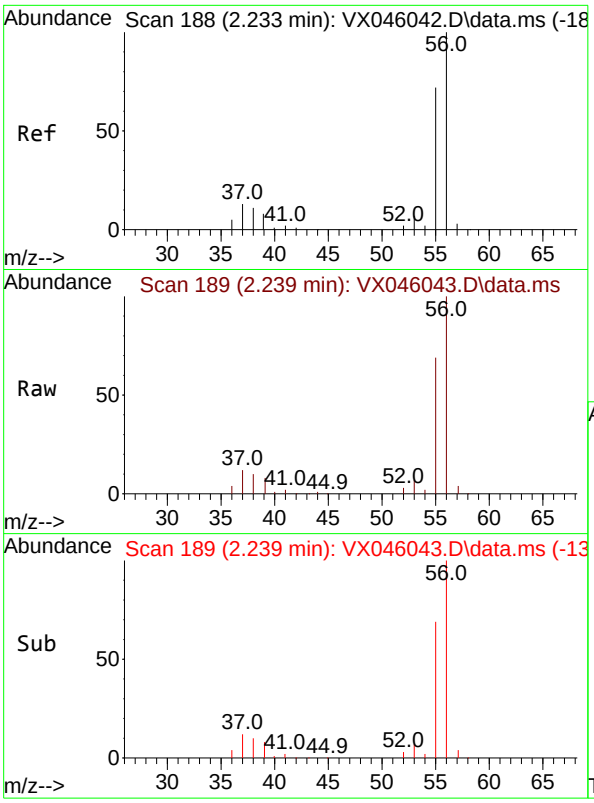


#12
1,1-Dichloroethene
Concen: 71.884 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

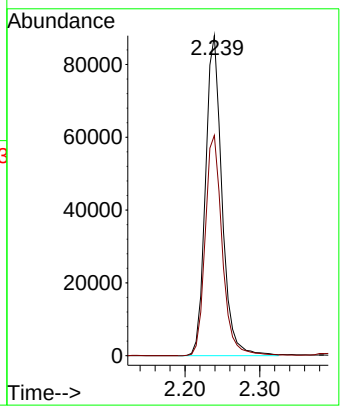




#13
Acrolein
Concen: 375.132 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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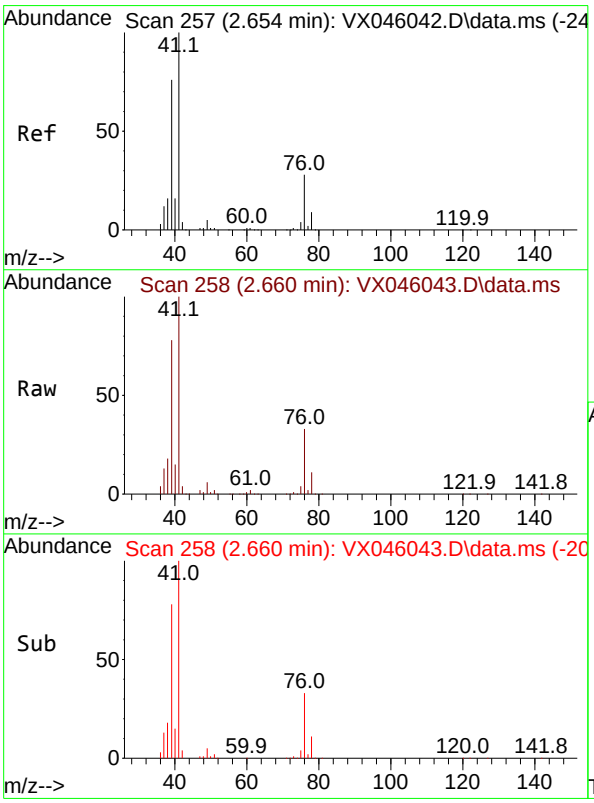
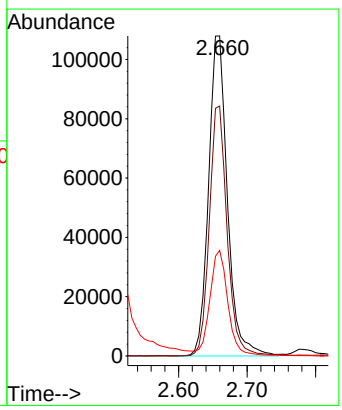
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

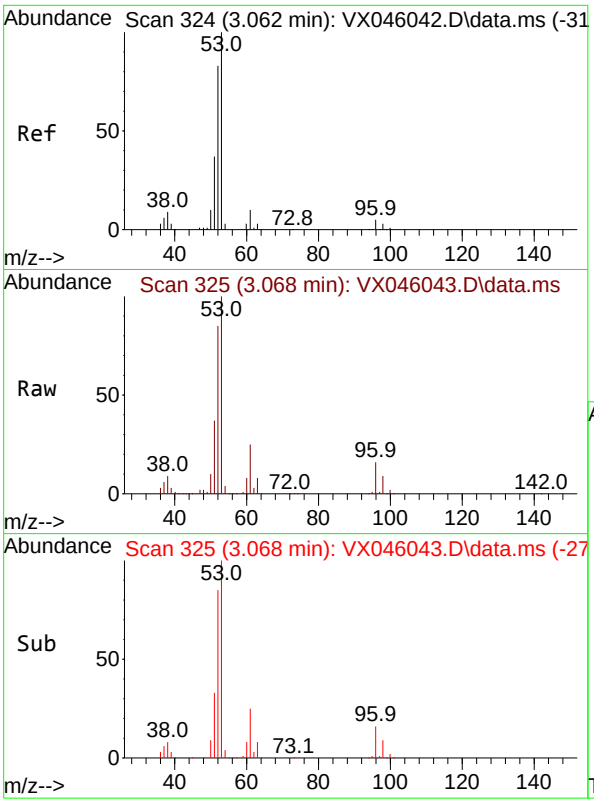


#14
Allyl chloride
Concen: 74.419 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

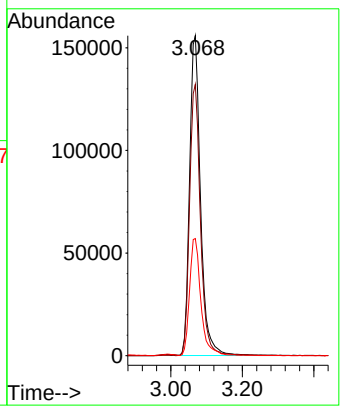




#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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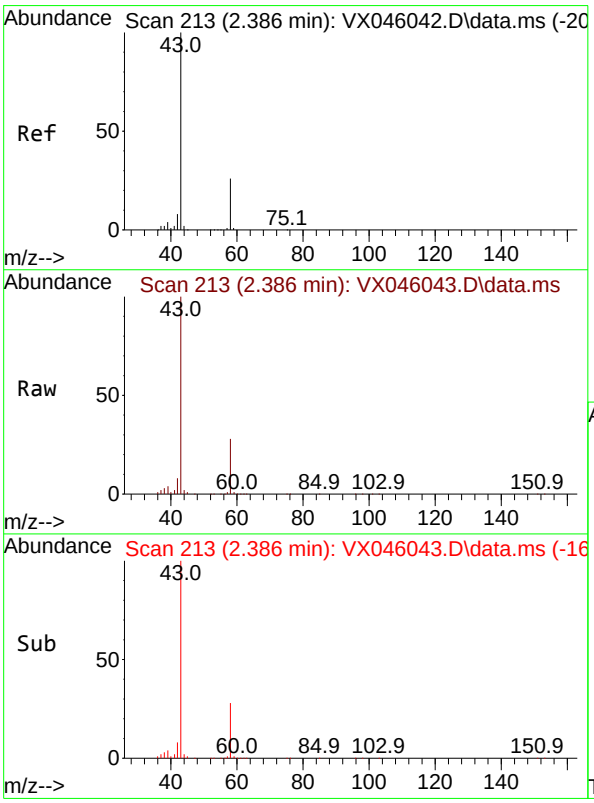
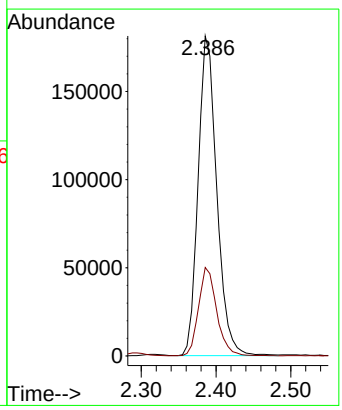
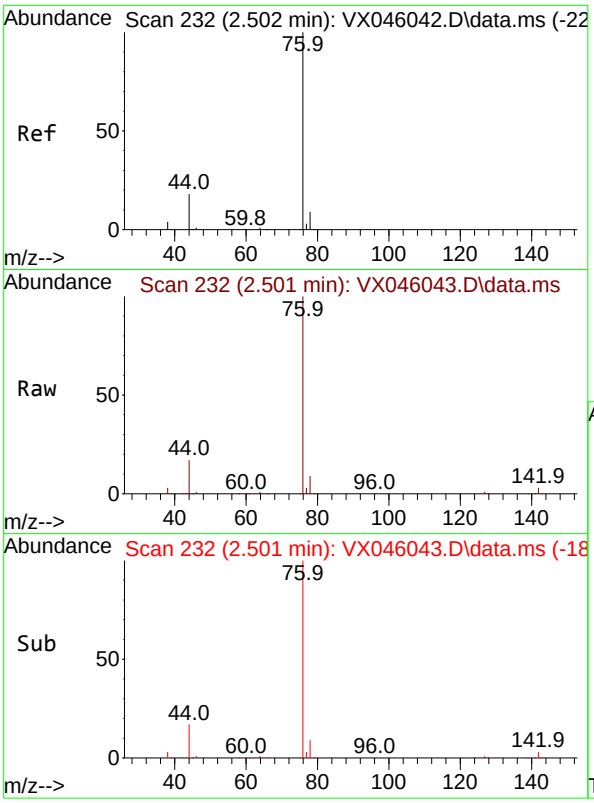


#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8

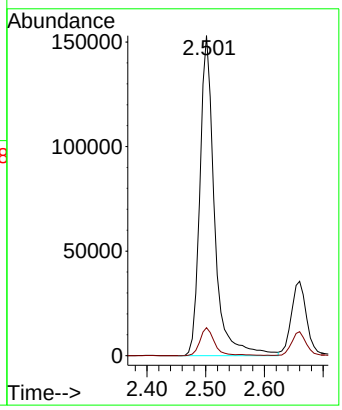




#17
Carbon Disulfide
Concen: 77.867 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 76 Resp: 26495

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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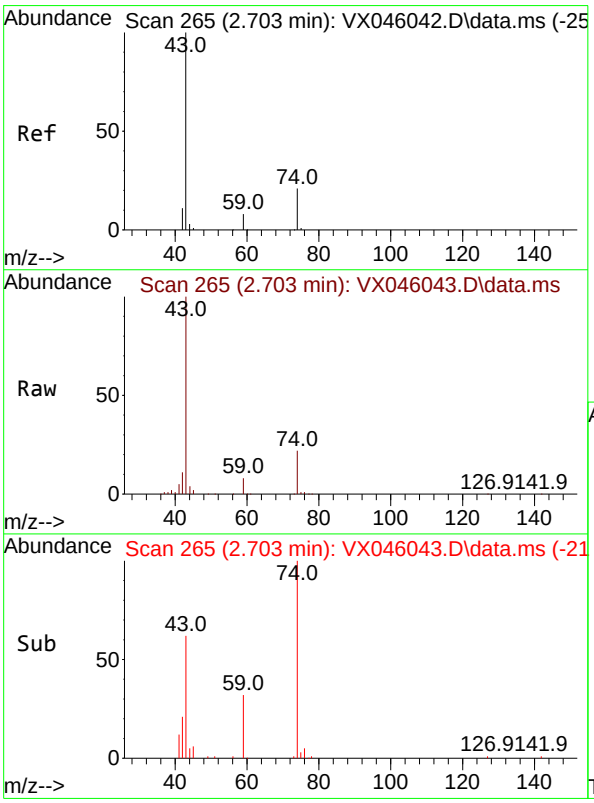
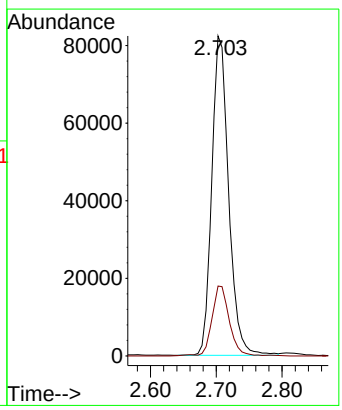
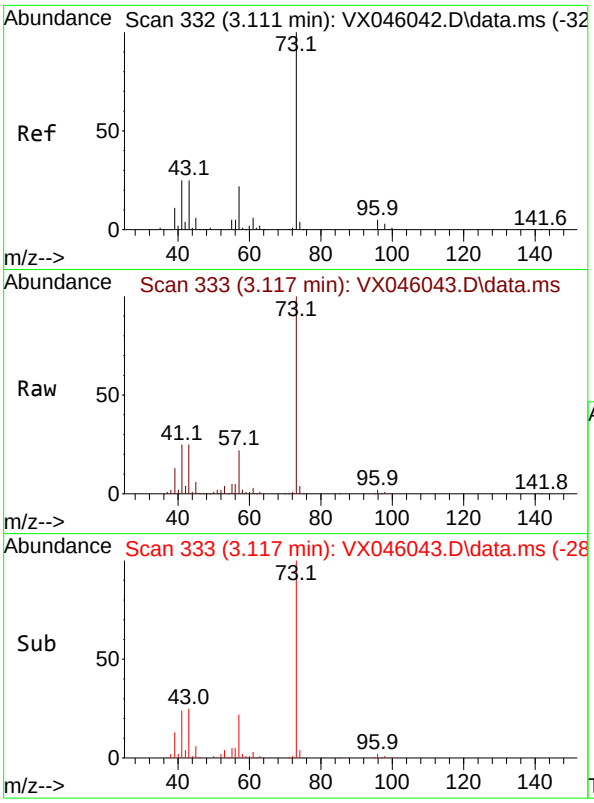


#18
Methyl Acetate
Concen: 69.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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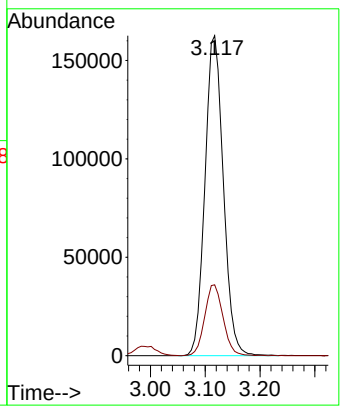
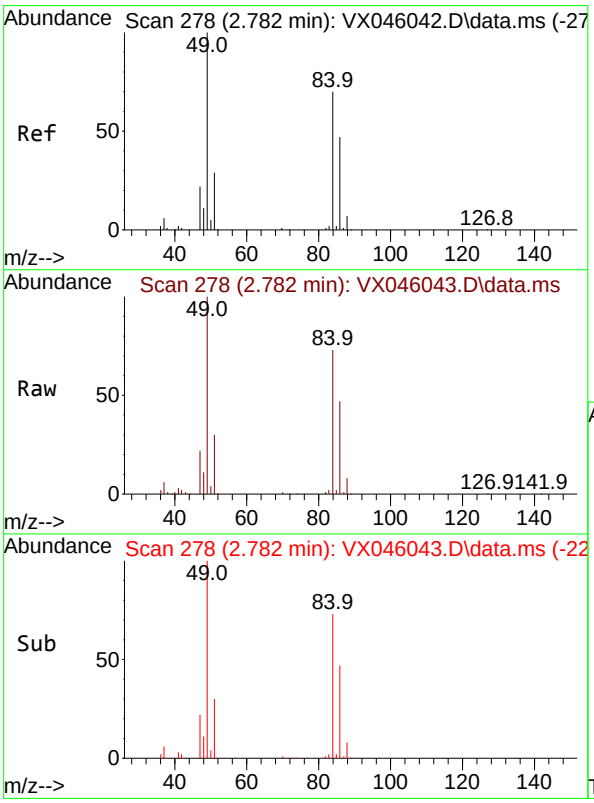
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

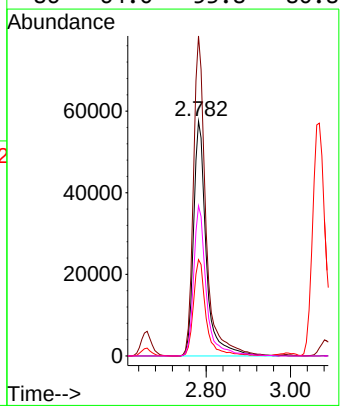


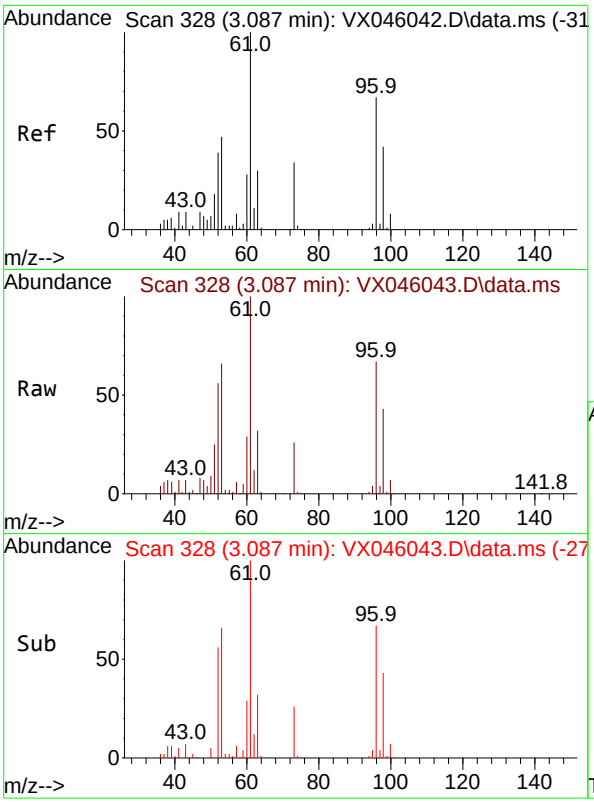


#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

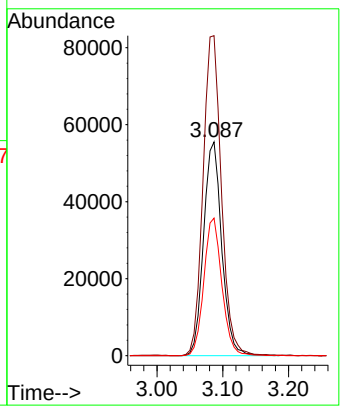




#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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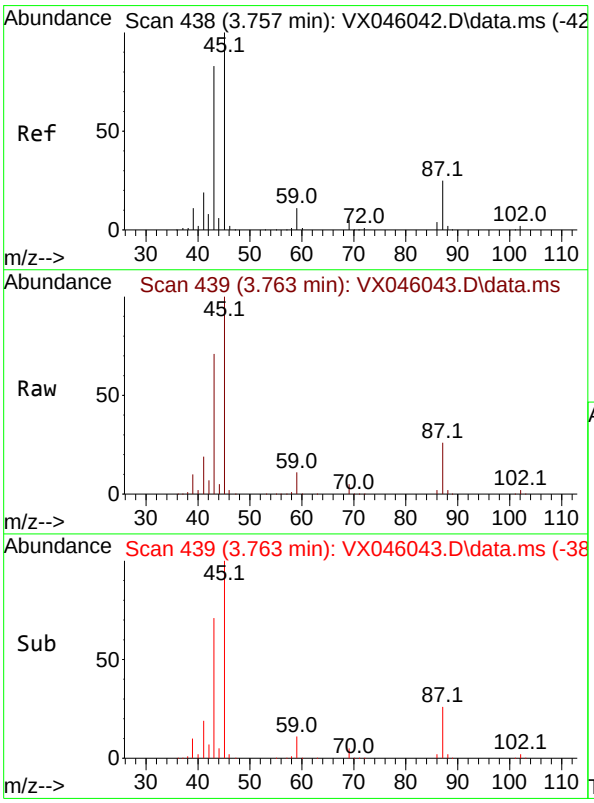
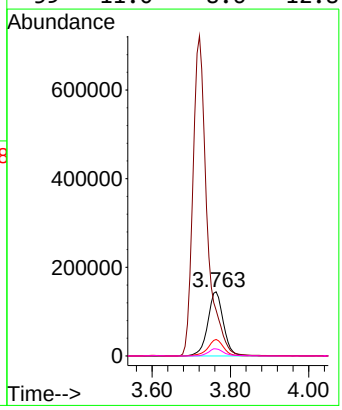
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

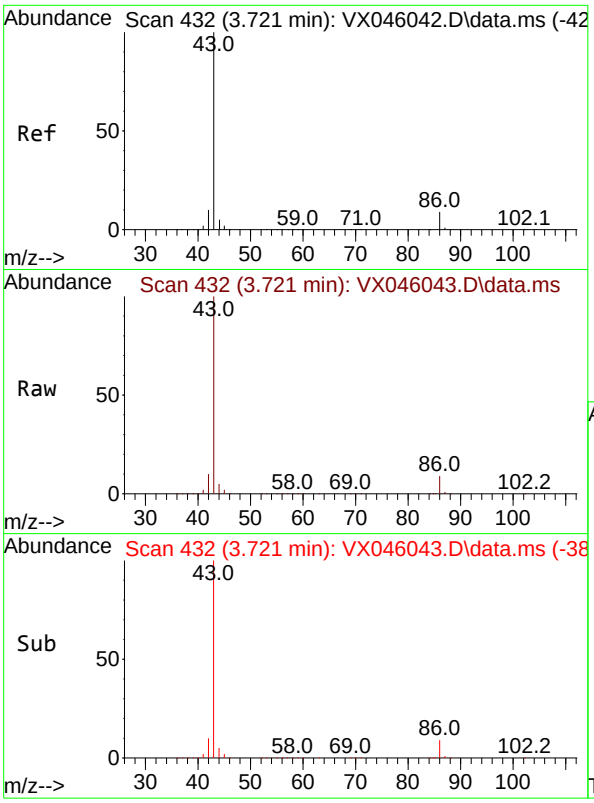


#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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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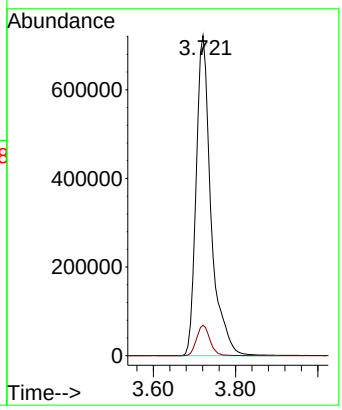
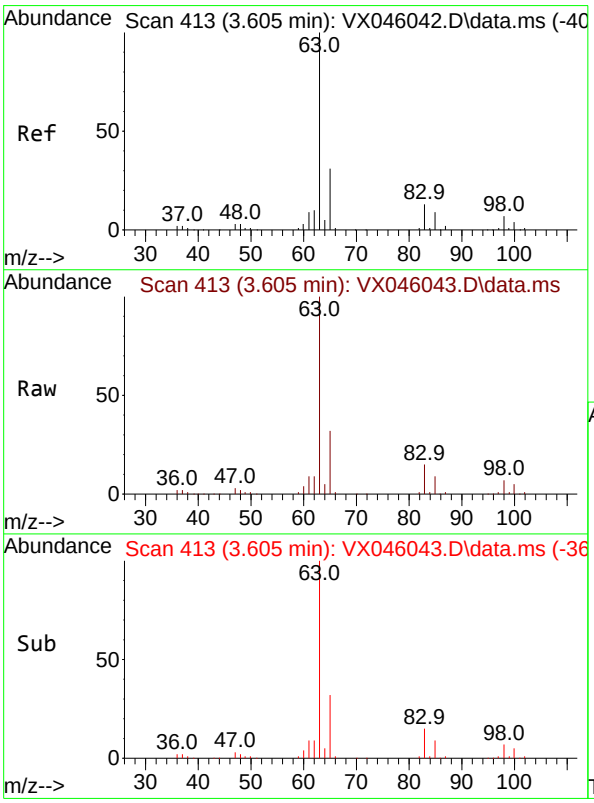
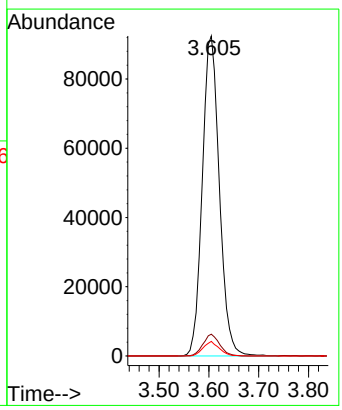


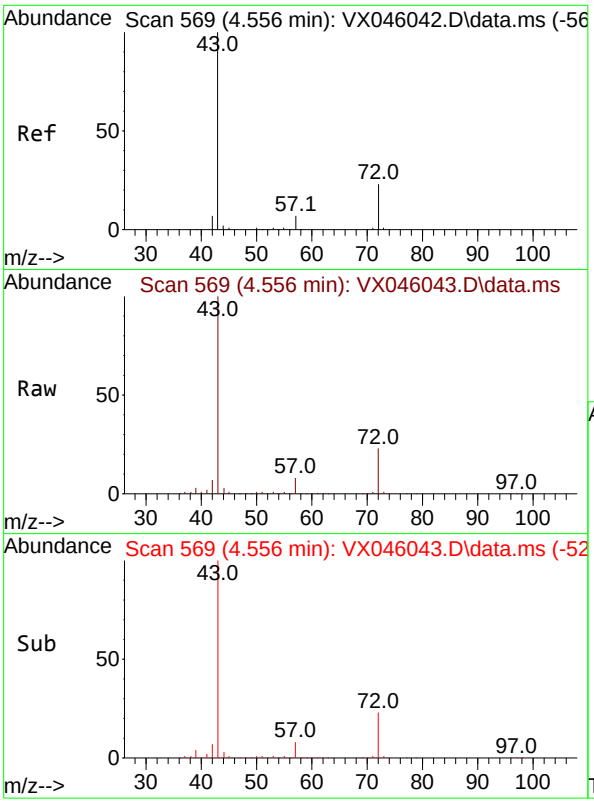


#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

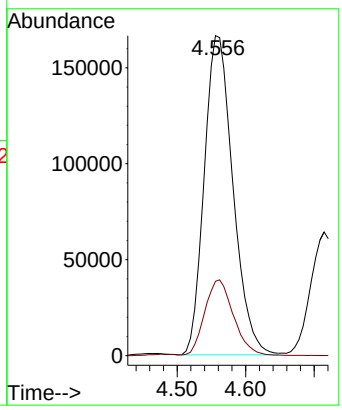




#25
2-Butanone
Concen: 379.704 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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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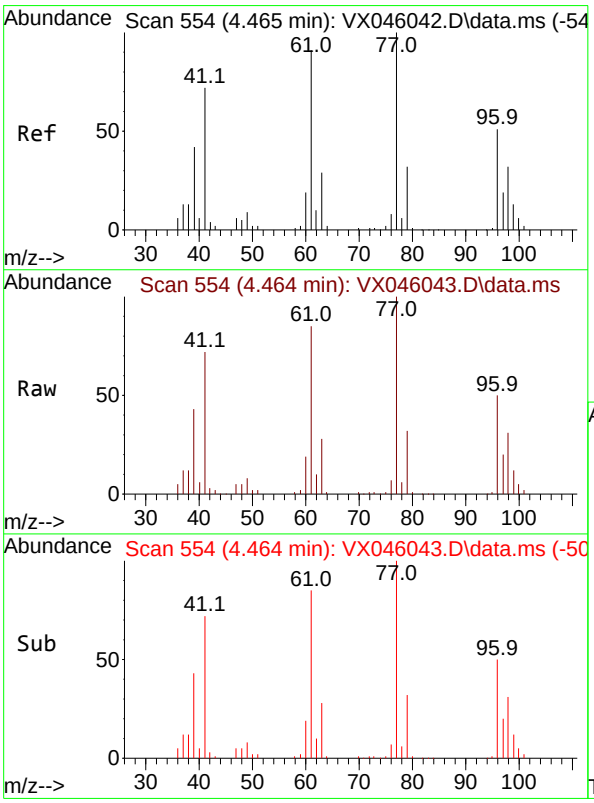
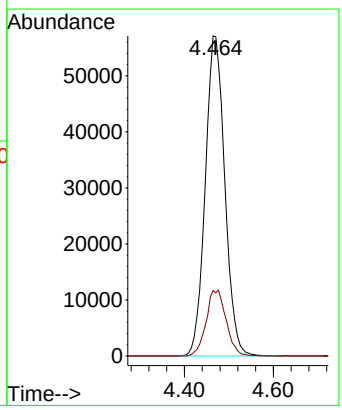
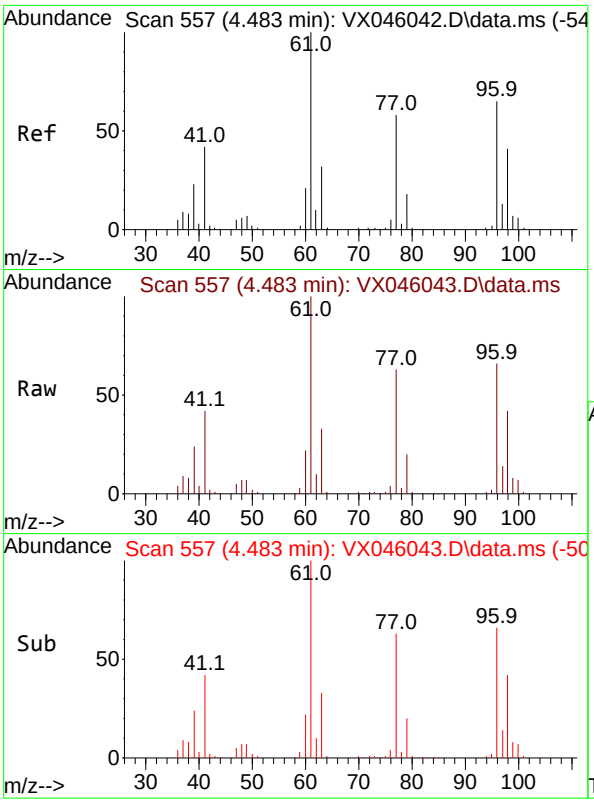


#26
2,2-Dichloropropane
Concen: 75.621 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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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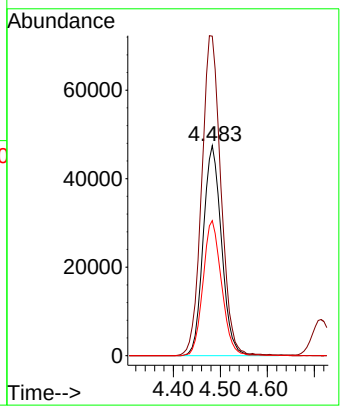
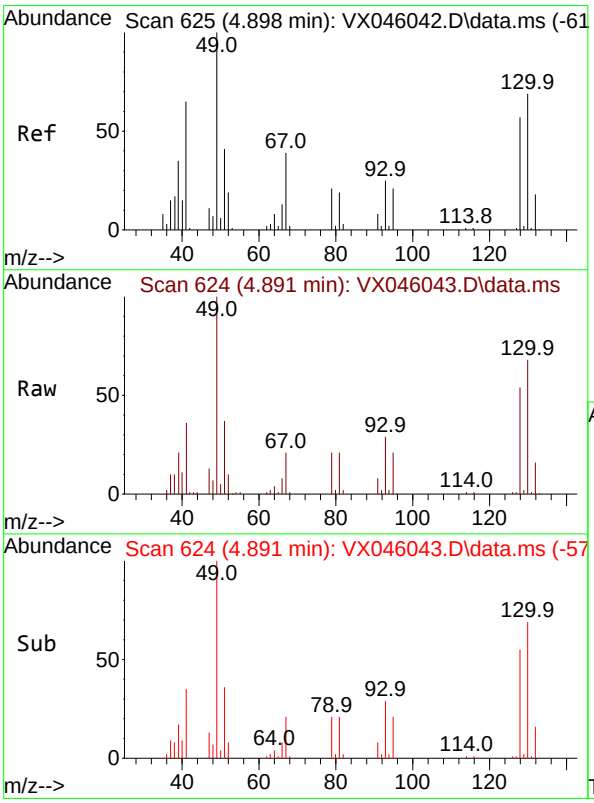
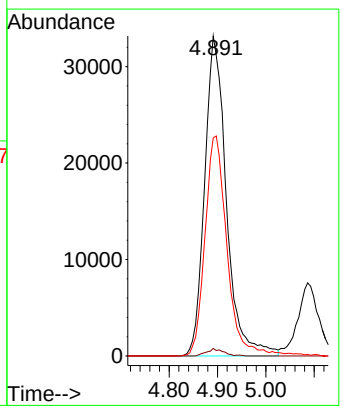


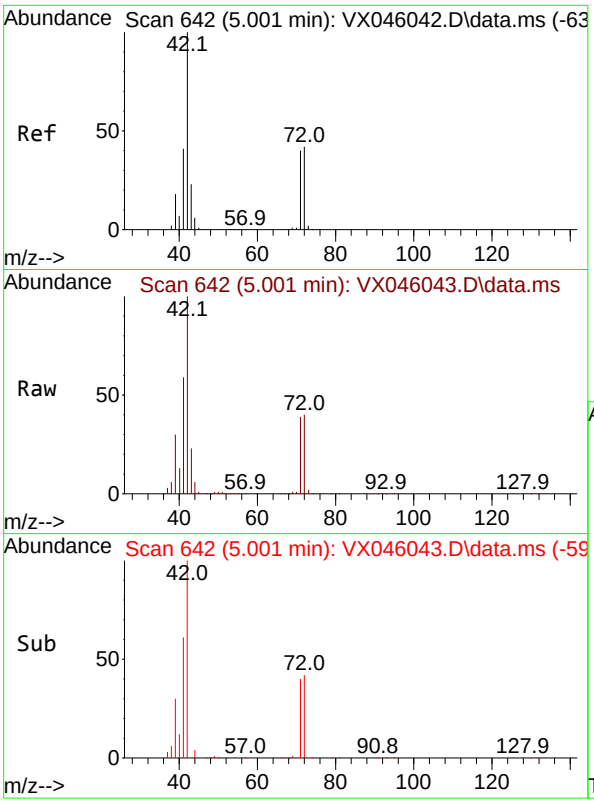


#28
Bromochloromethane
Concen: 63.932 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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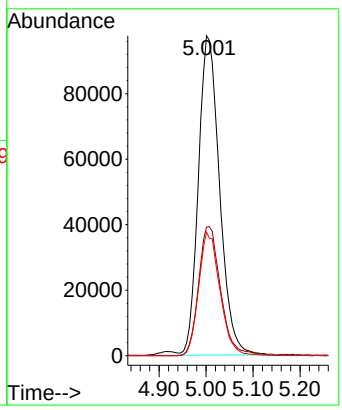
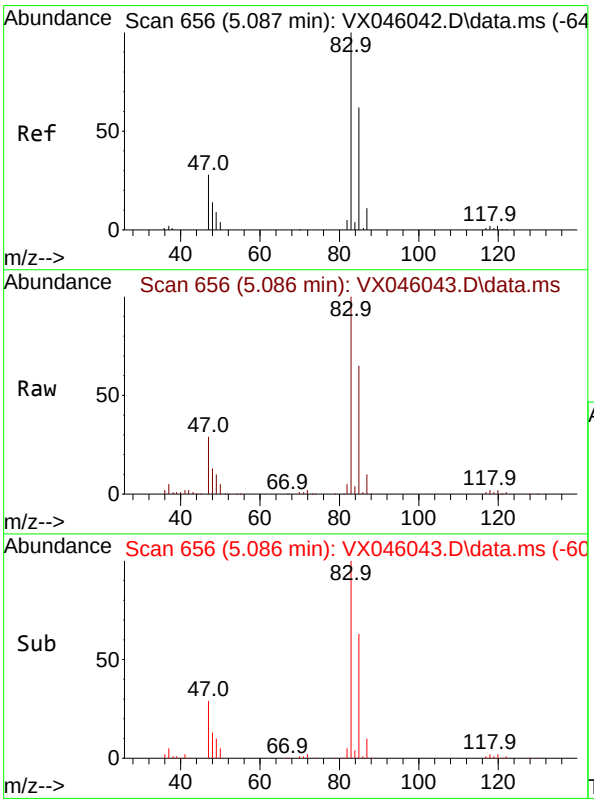
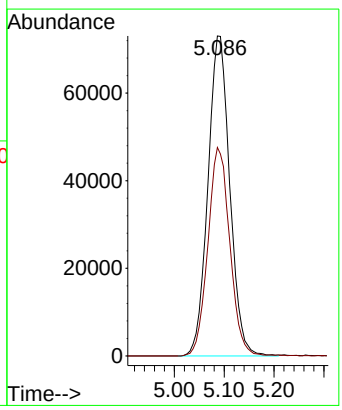


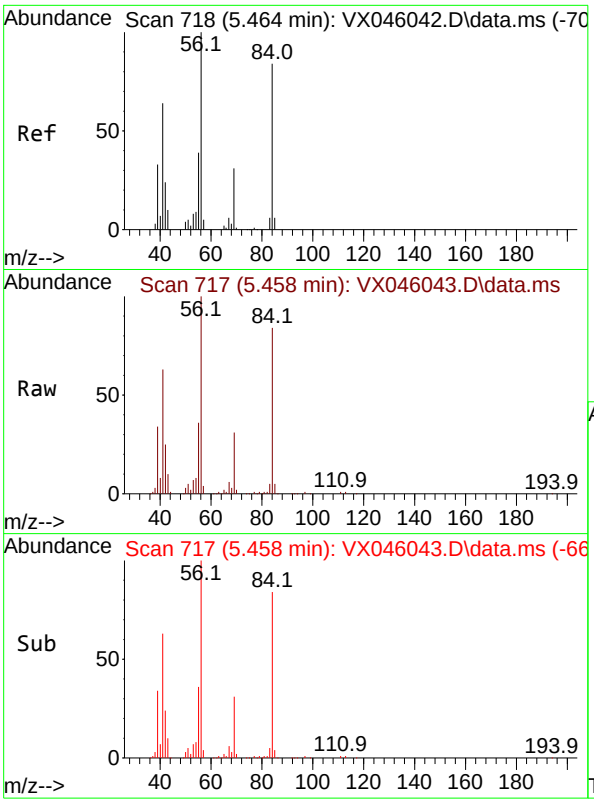


#30
Chloroform
Concen: 70.180 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 222253

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9

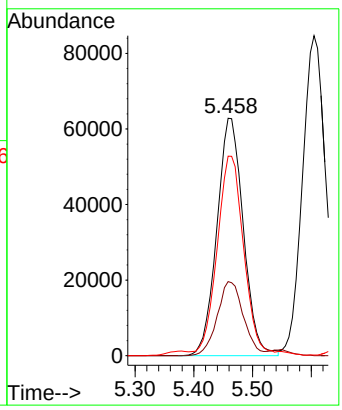




#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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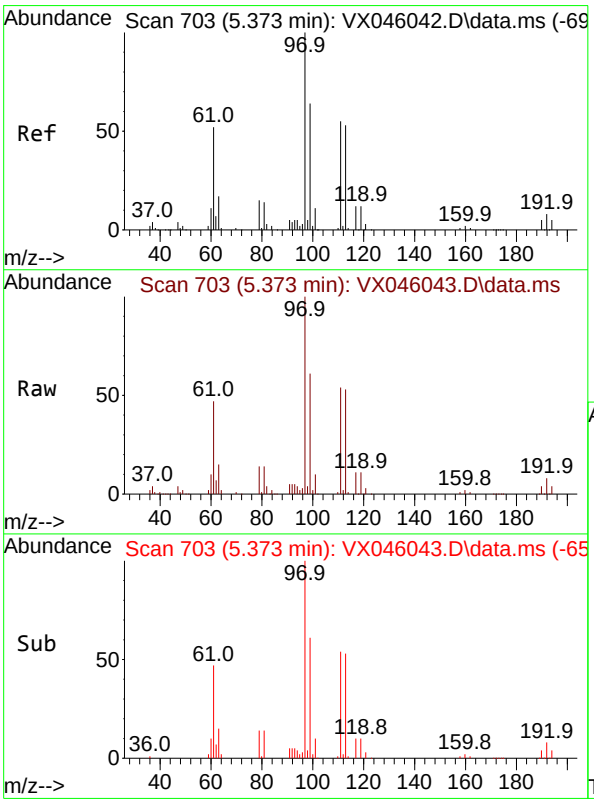
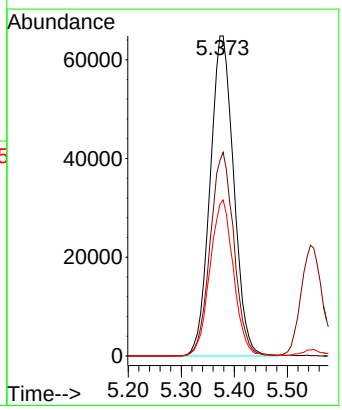
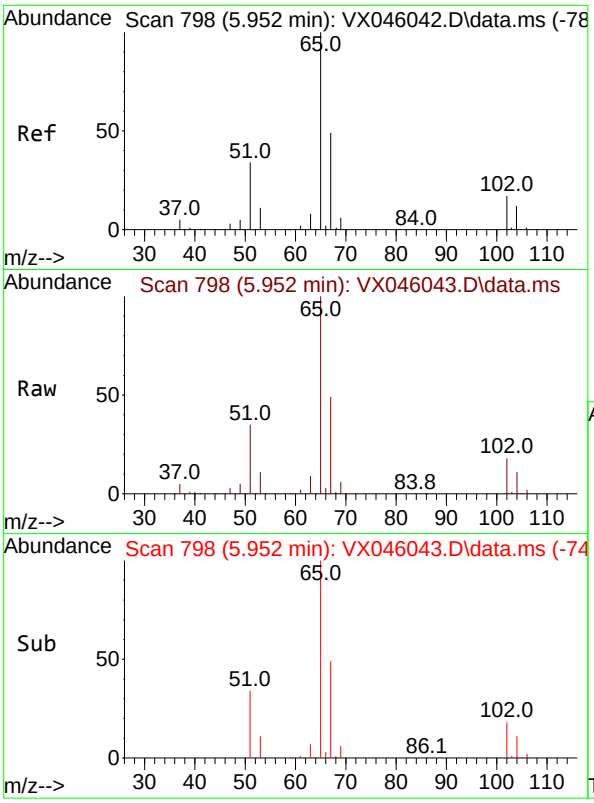


#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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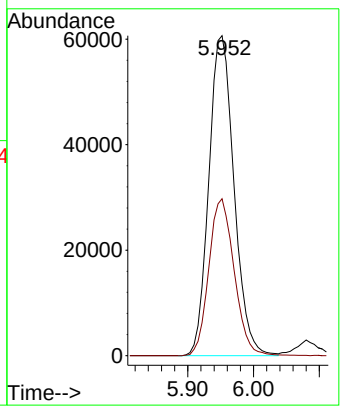
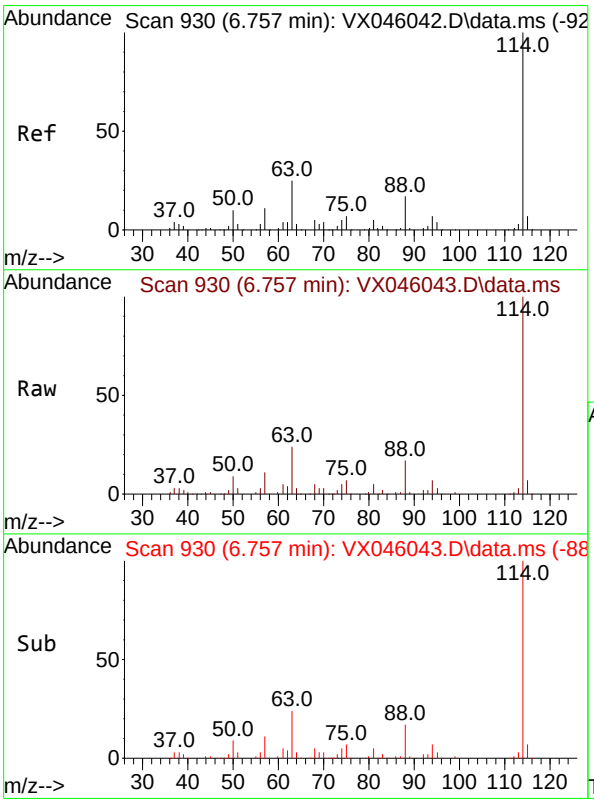
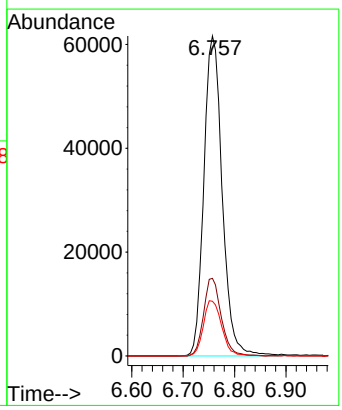


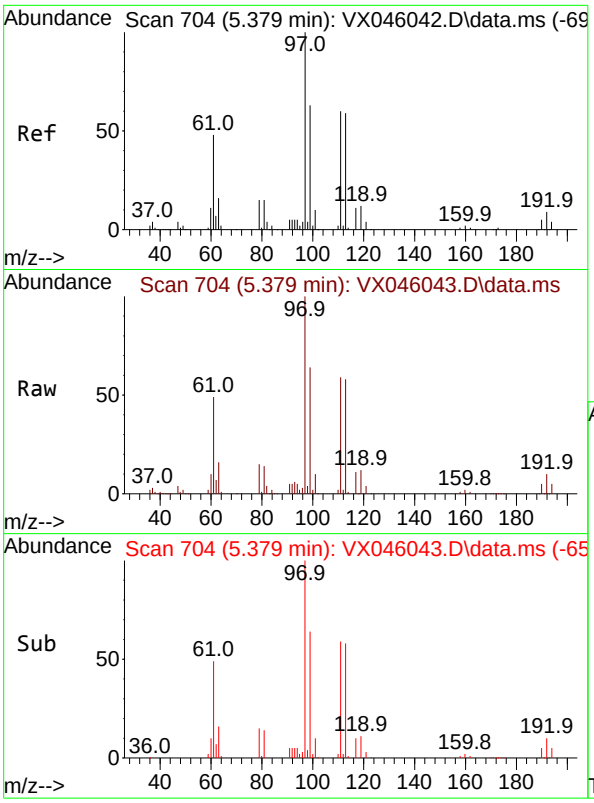


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

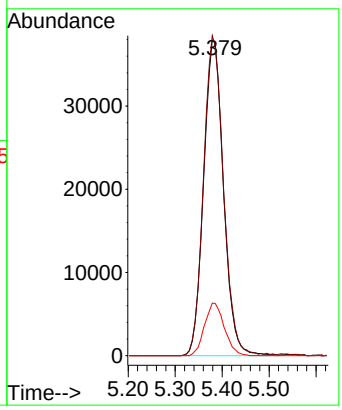




#35
Dibromofluoromethane
Concen: 65.006 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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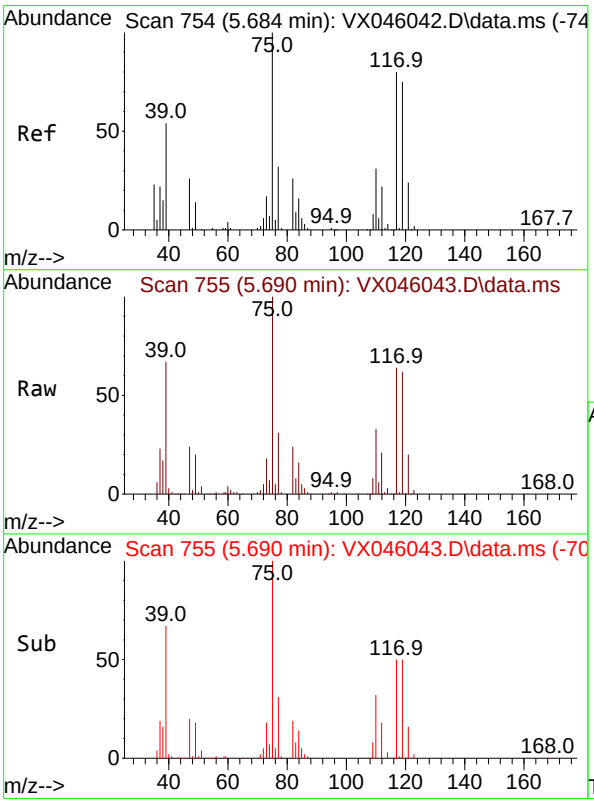
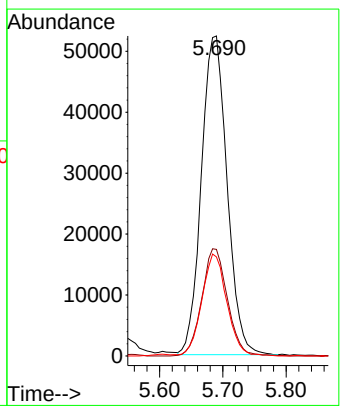
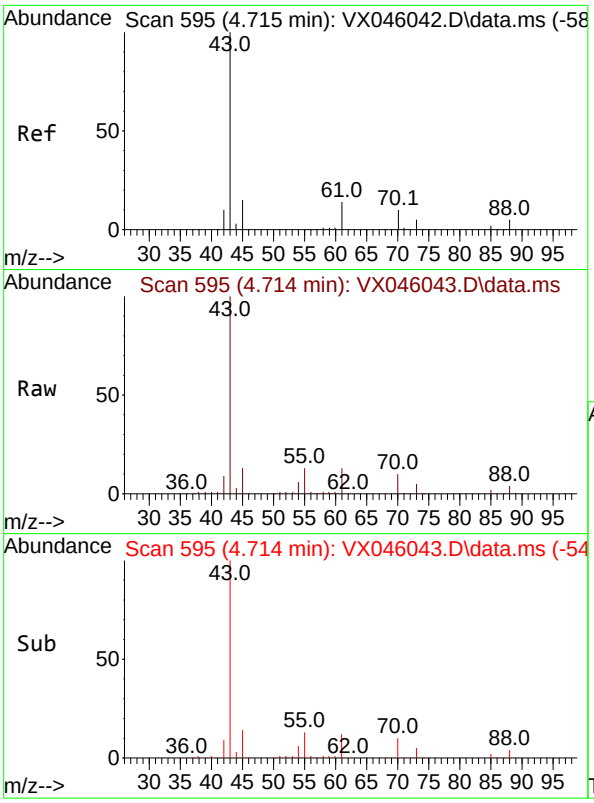


#36
1,1-Dichloropropene
Concen: 74.285 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

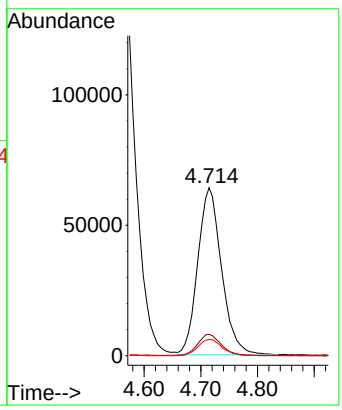




#37
Ethyl Acetate
Concen: 74.565 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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
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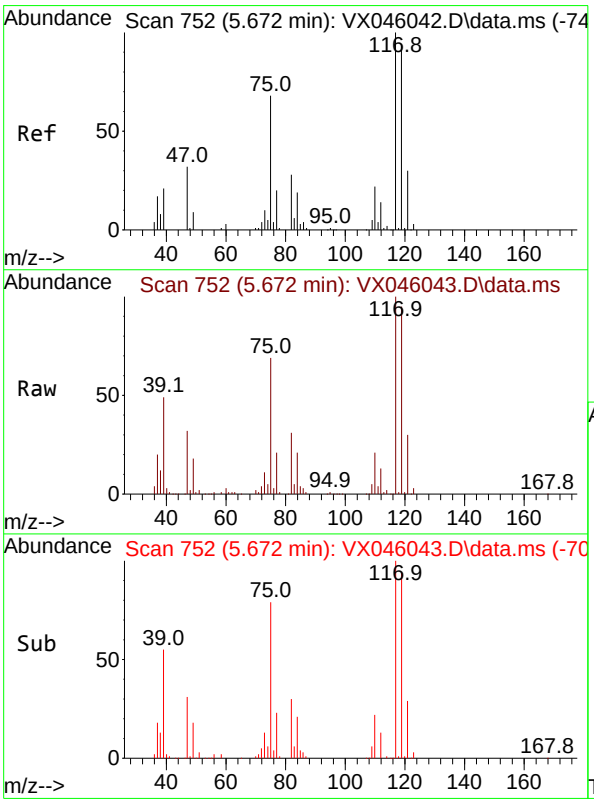
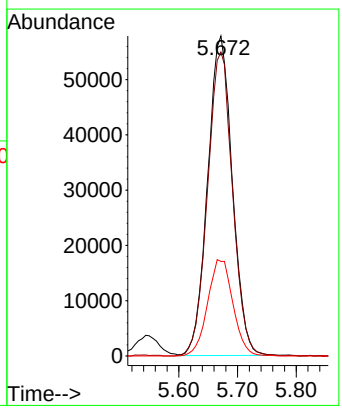
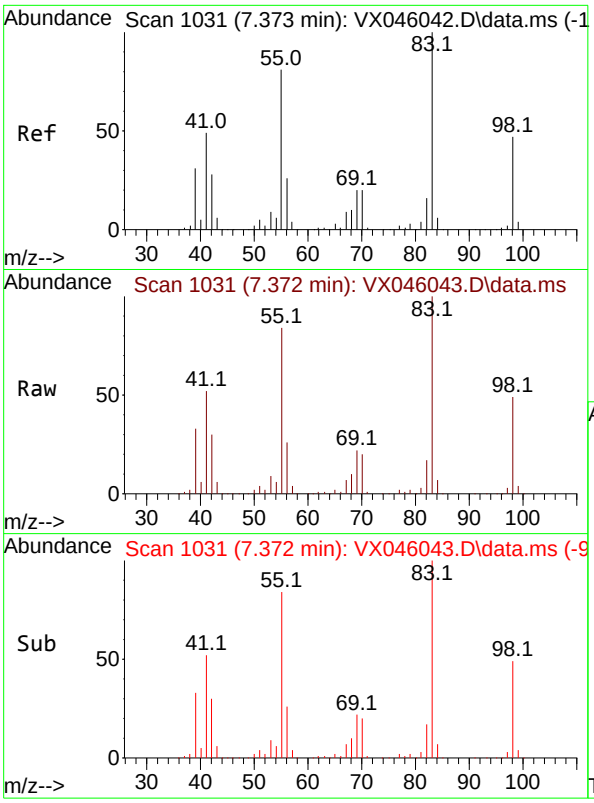


#38
Carbon Tetrachloride
Concen: 73.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

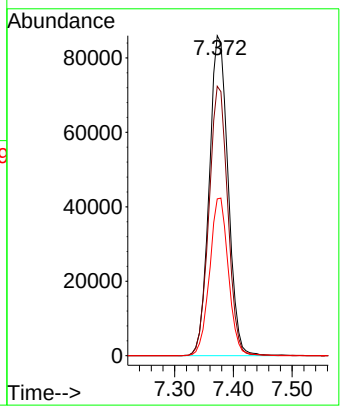
Tgt Ion: 83 Resp: 19194

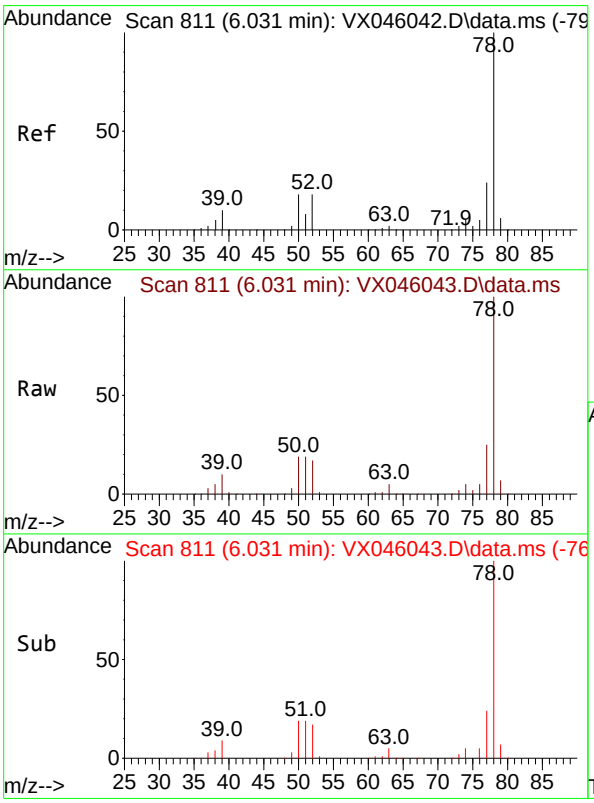
Ion	Ratio	Lower	Upper
83	100		
55	84.2	64.7	97.1
98	49.0	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

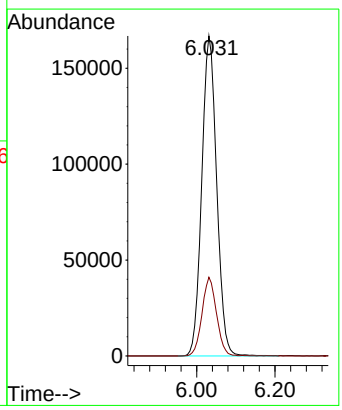


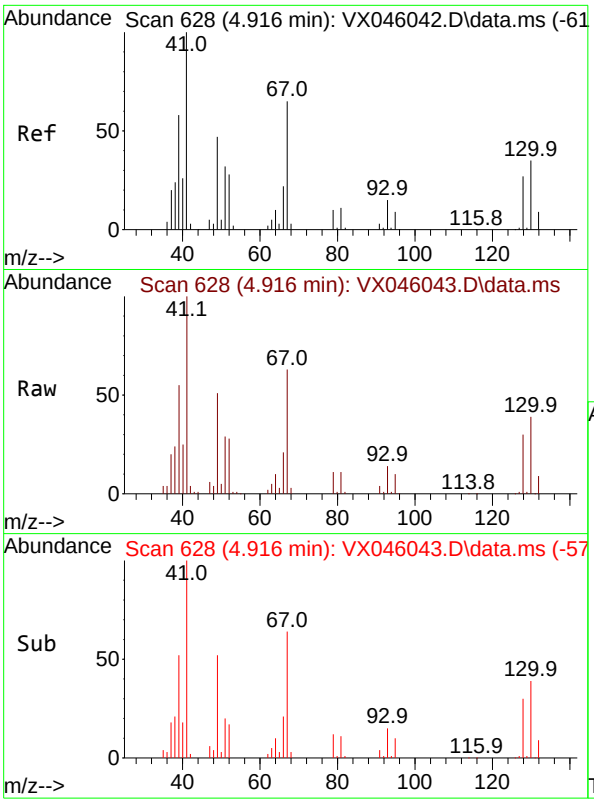


#40
Benzene
Concen: 71.457 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 78 Resp: 440885

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4

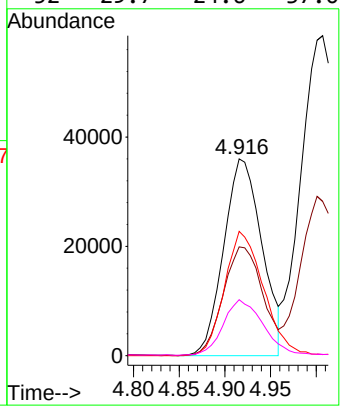




#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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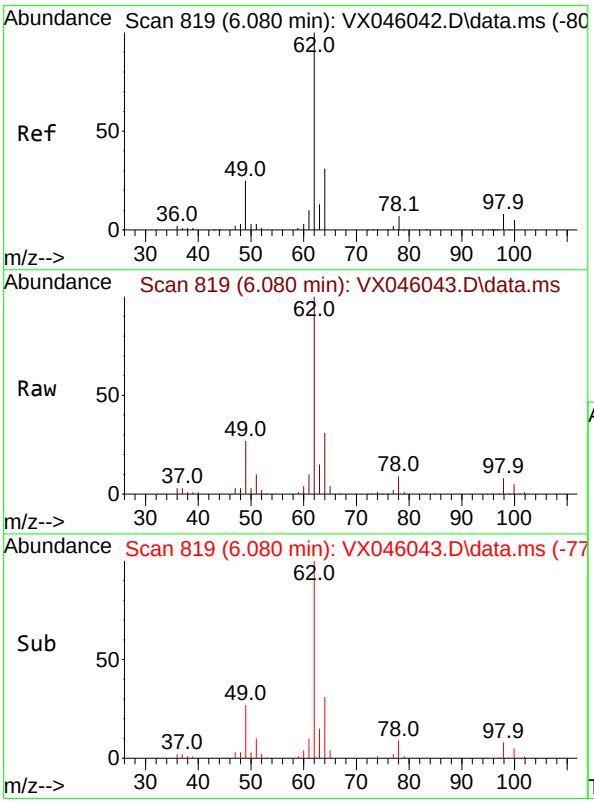
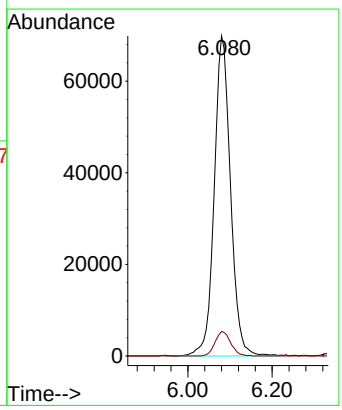
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

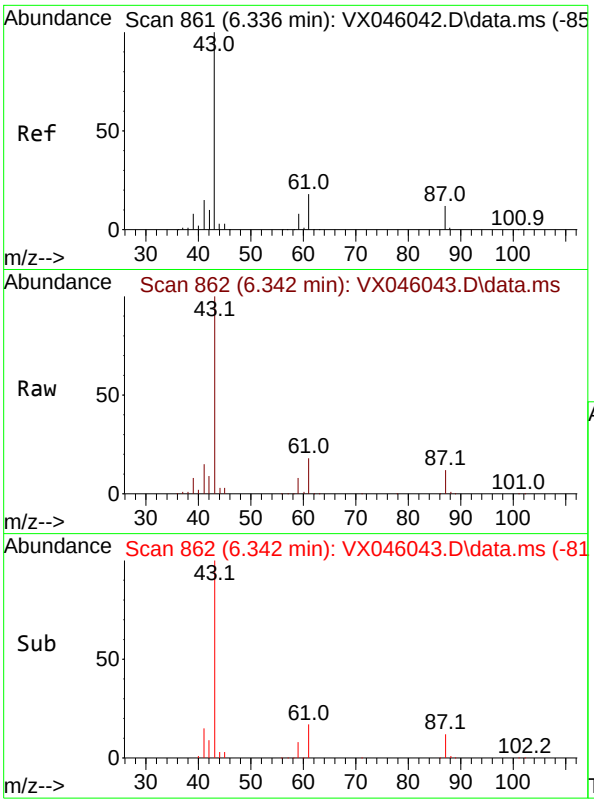


#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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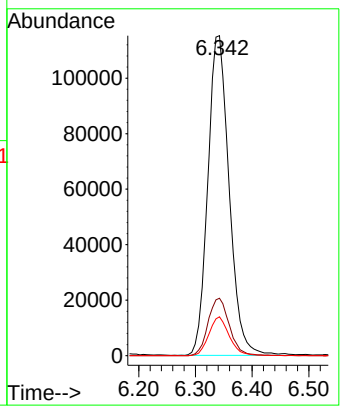
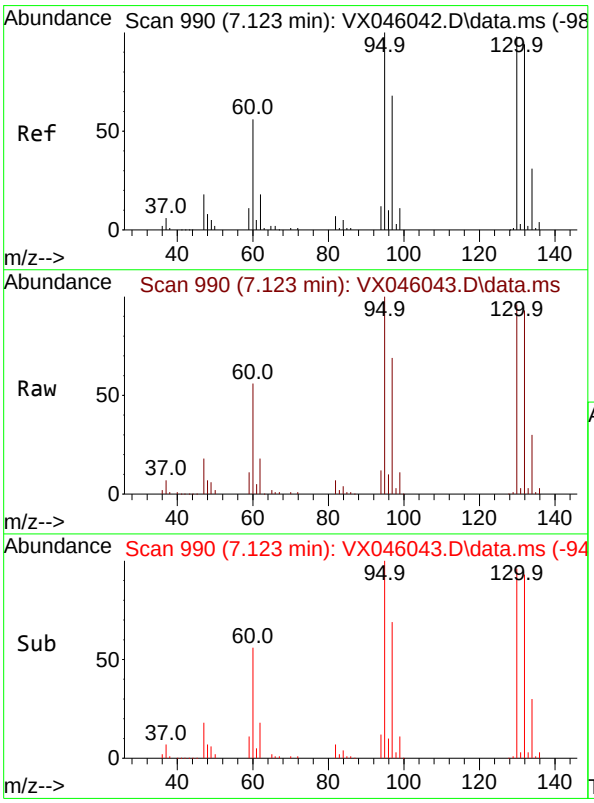
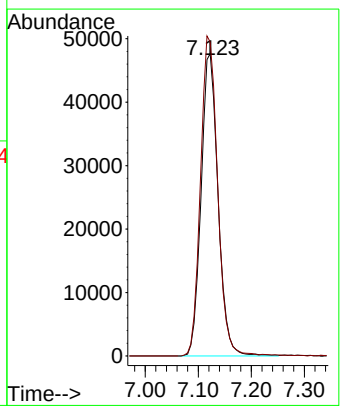


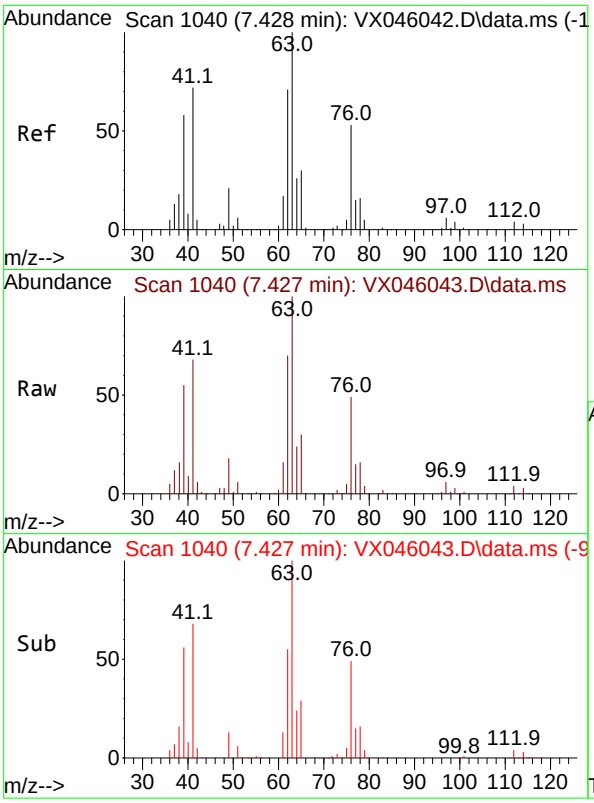


#44
Trichloroethene
Concen: 72.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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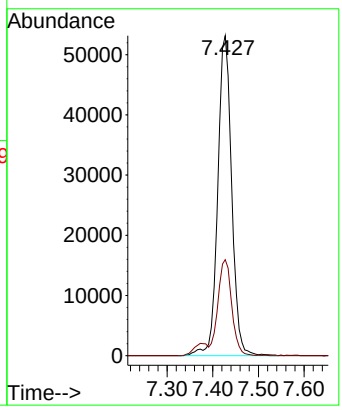
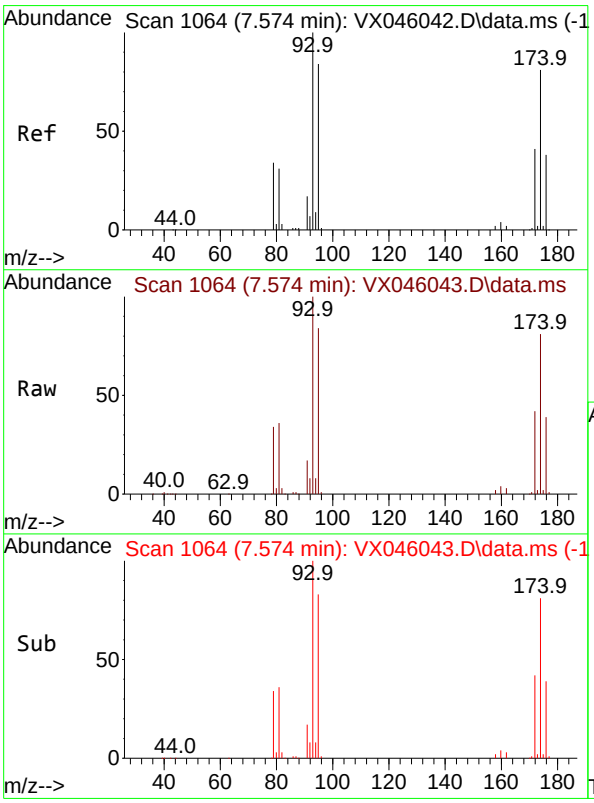
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

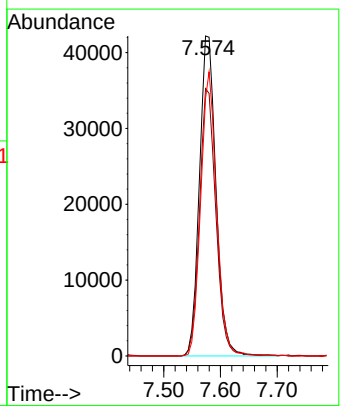


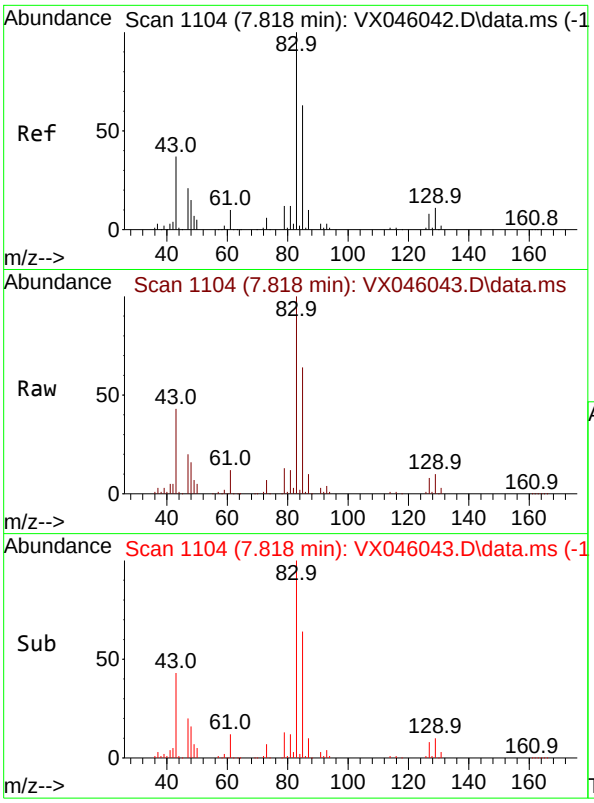


#46
Dibromomethane
Concen: 70.938 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

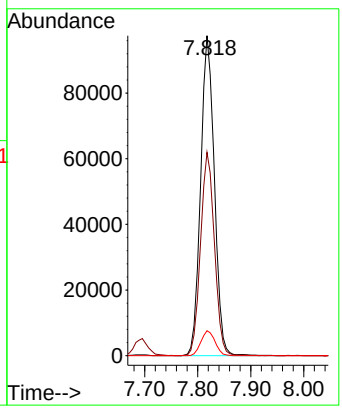




#47
Bromodichloromethane
Concen: 74.845 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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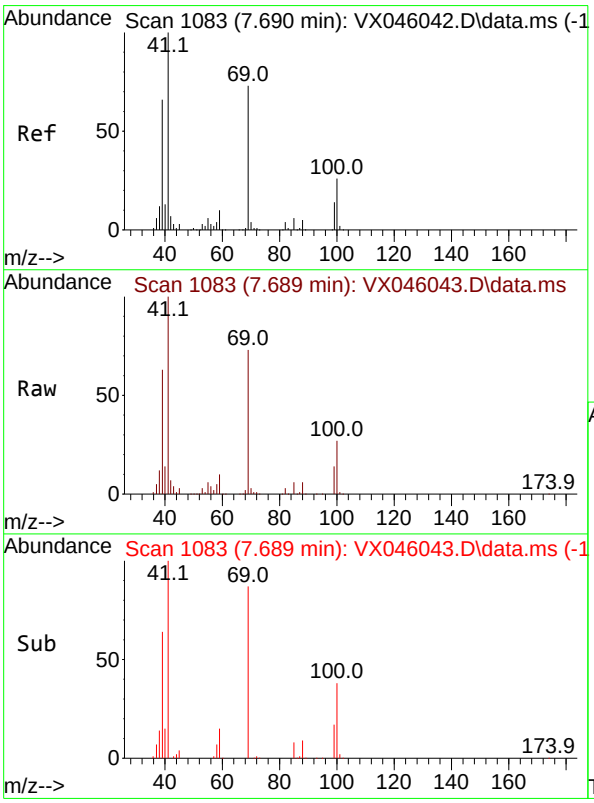
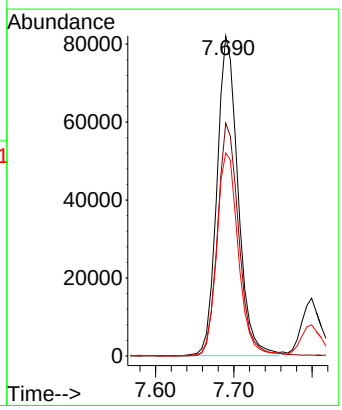
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

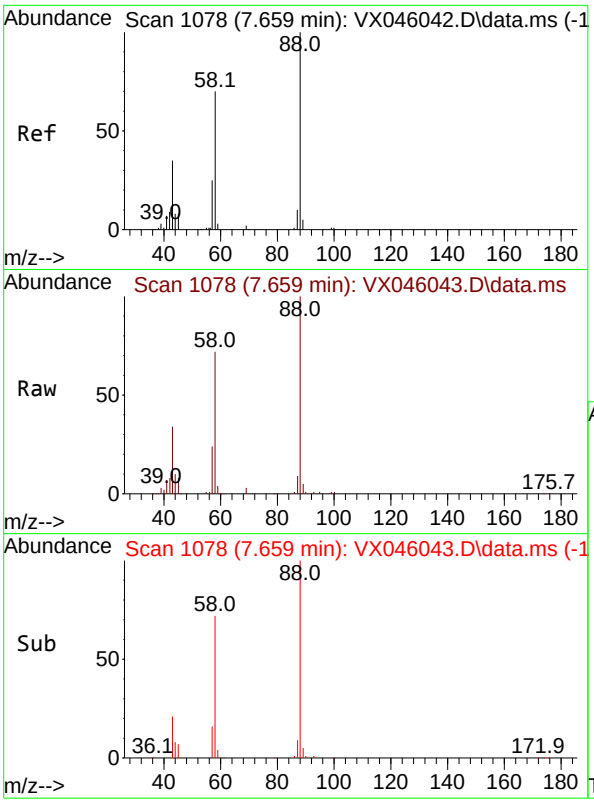


#48
Methyl methacrylate
Concen: 78.101 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

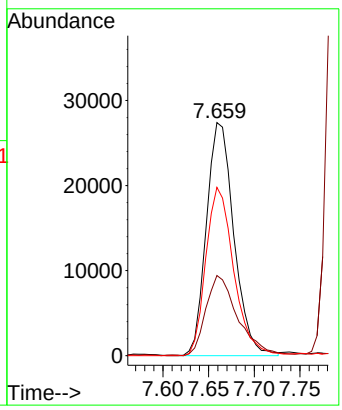




#49
1,4-Dioxane
Concen: 1470.687 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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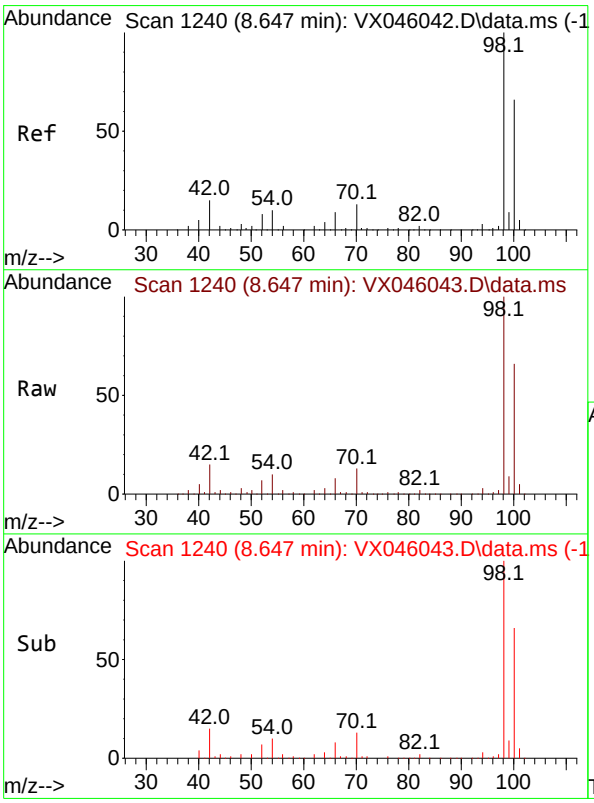
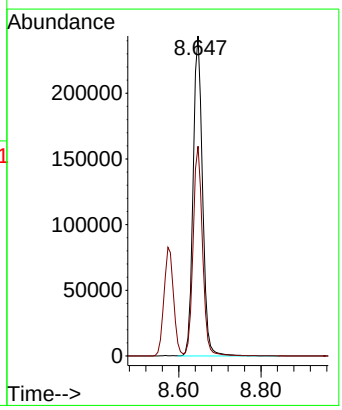
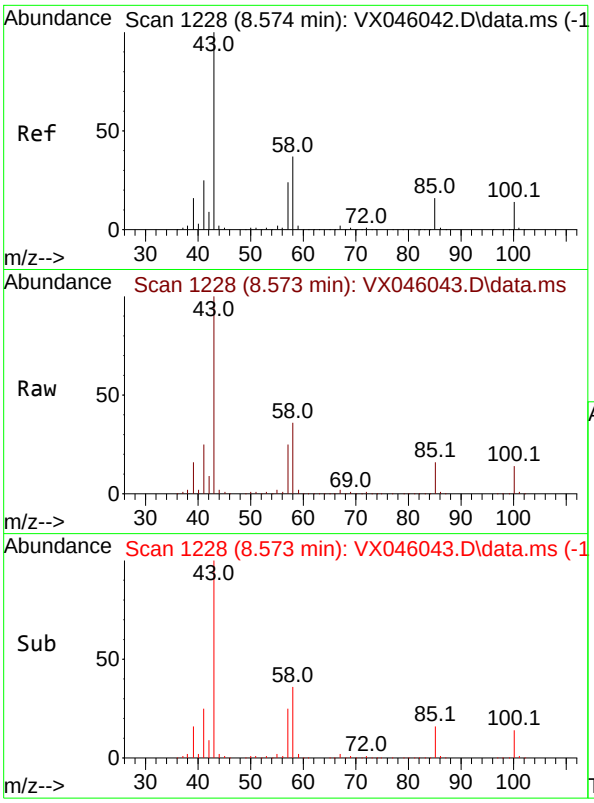


#50
Toluene-d8
Concen: 67.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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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Reviewed By :John Carlone 05/06/2025
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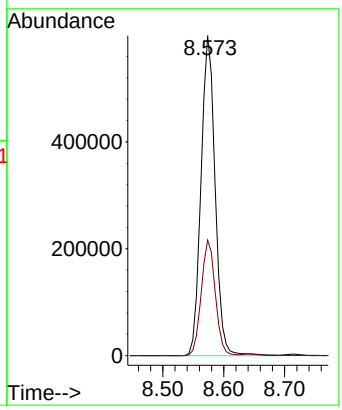
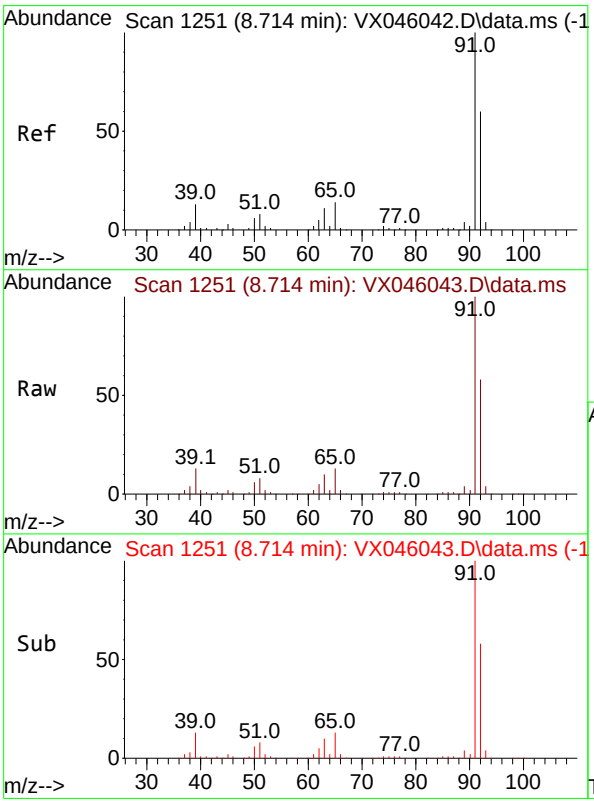
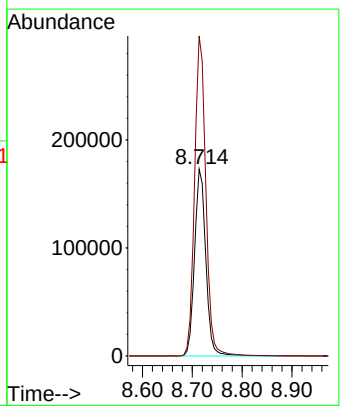


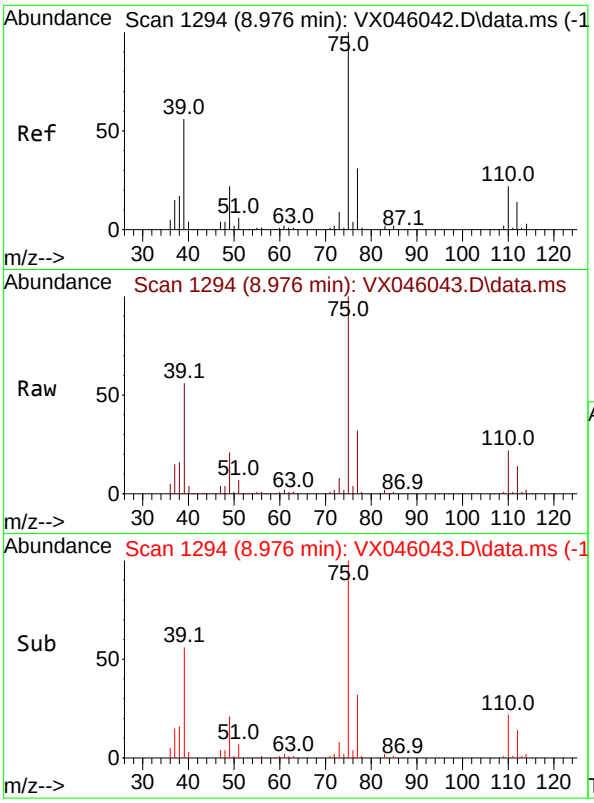


#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.6	205.0

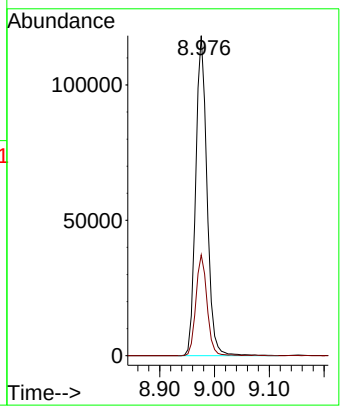




#53
t-1,3-Dichloropropene
Concen: 86.372 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 16986

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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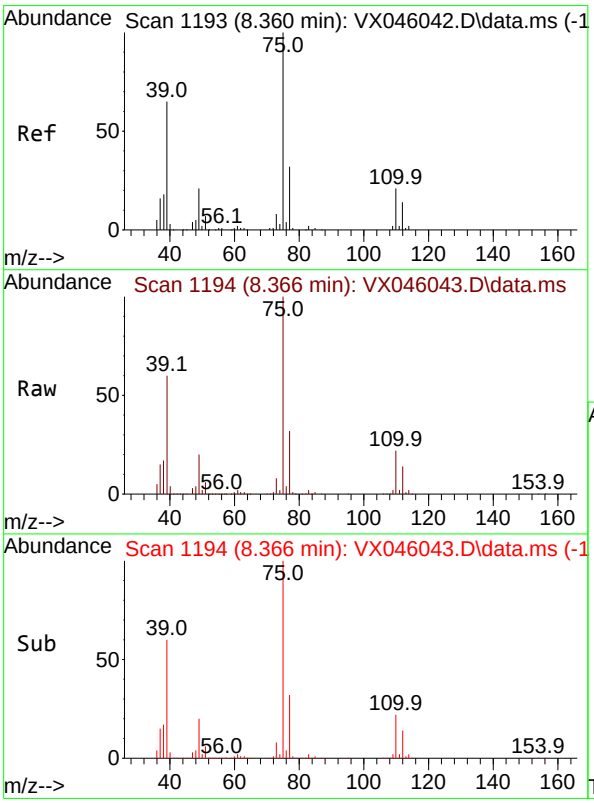
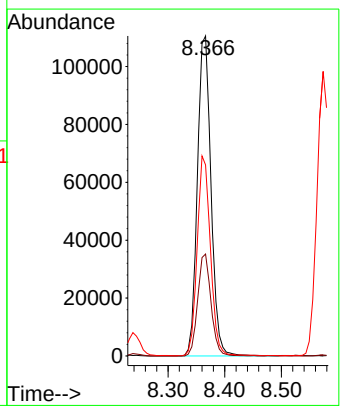
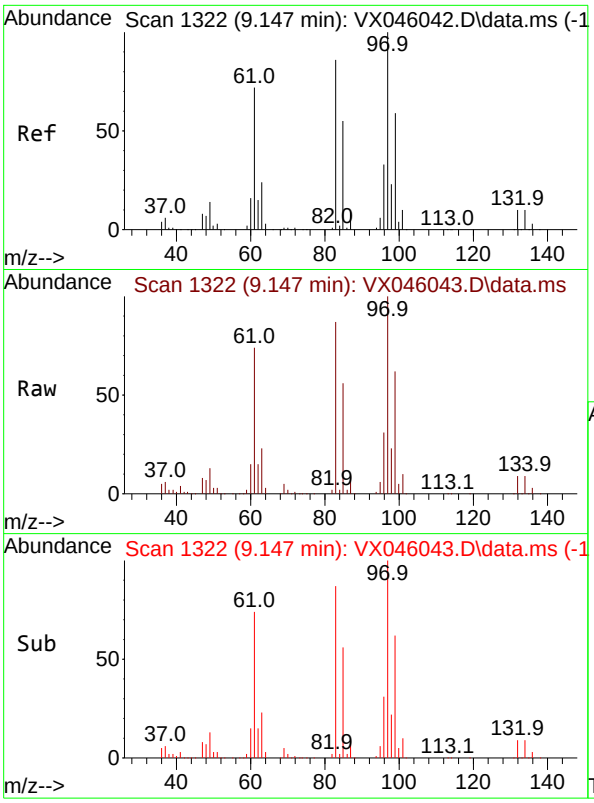


#54
cis-1,3-Dichloropropene
Concen: 80.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

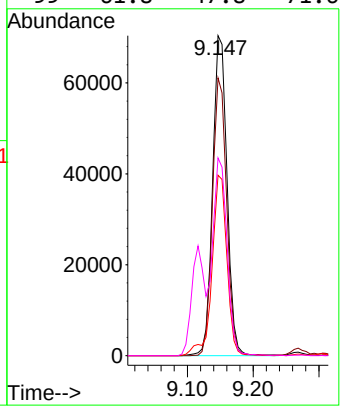




#55
1,1,2-Trichloroethane
Concen: 72.543 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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
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Reviewed By :John Carlone 05/06/2025
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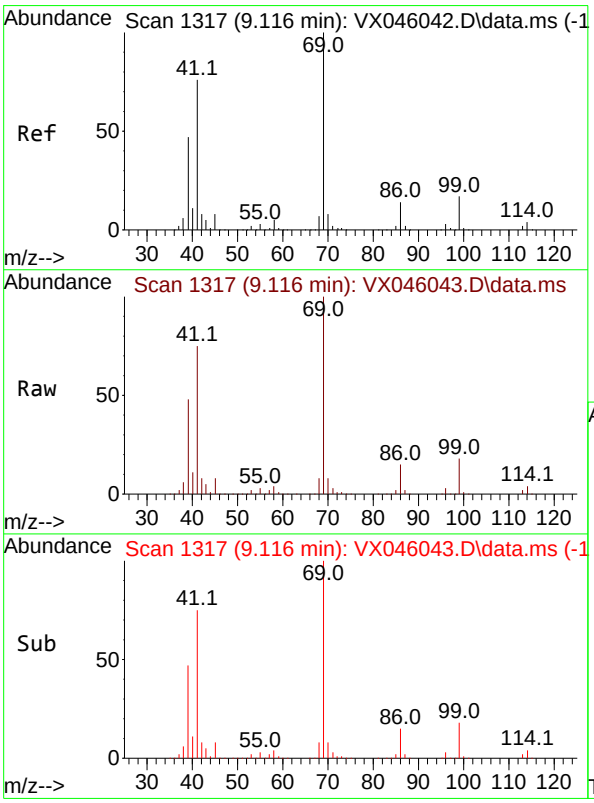
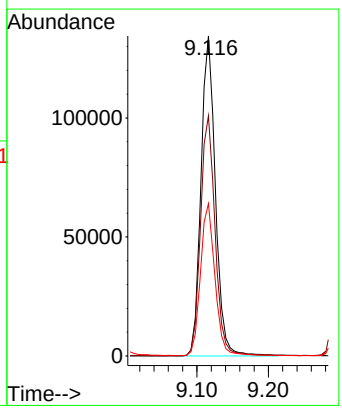
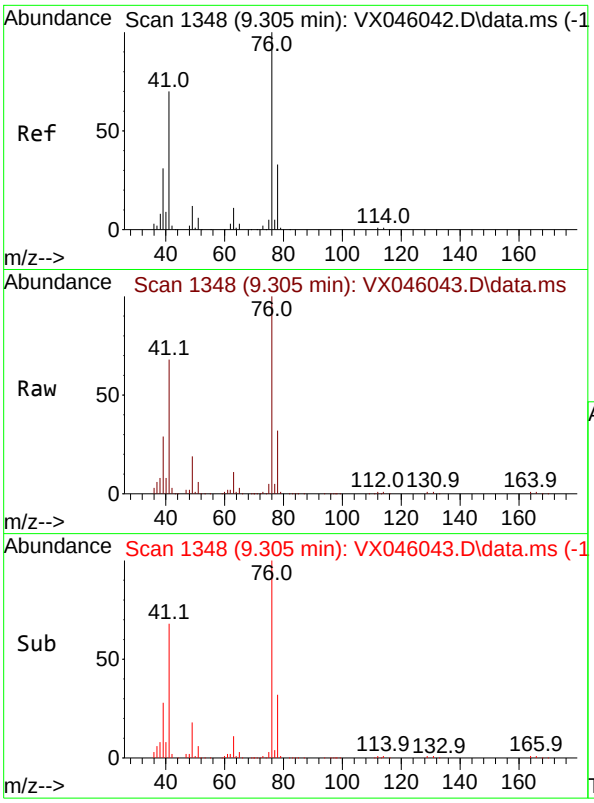


#56
Ethyl methacrylate
Concen: 82.359 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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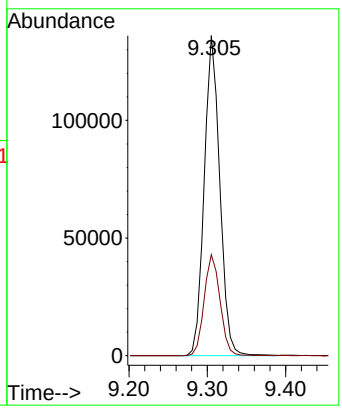
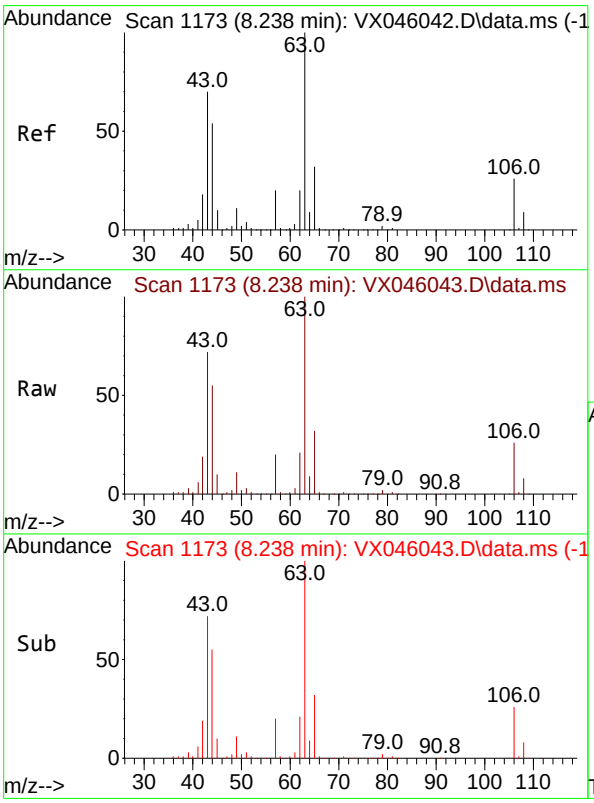
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

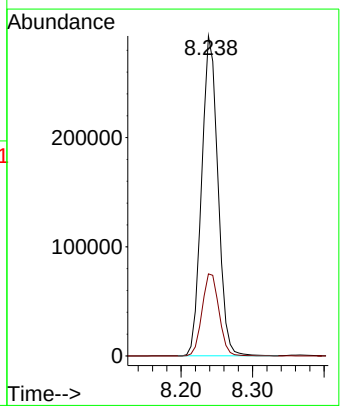


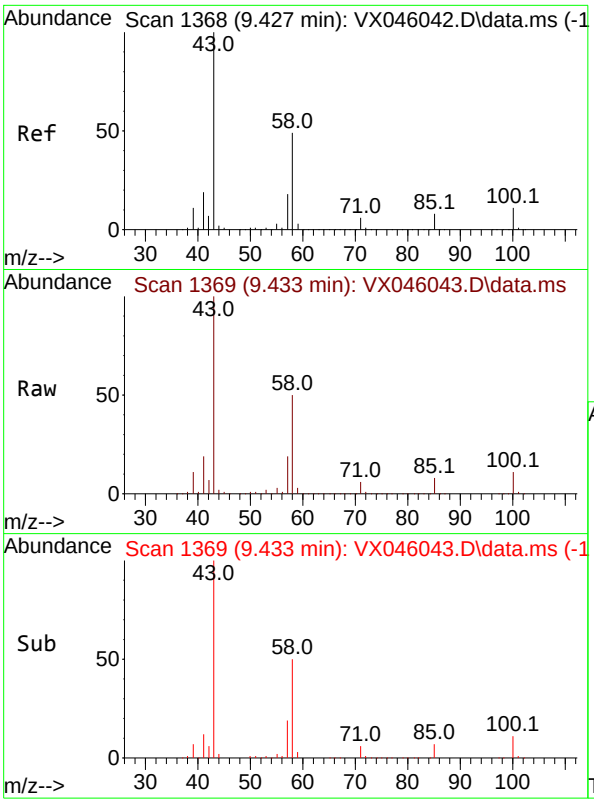


#58
2-Chloroethyl Vinyl ether
Concen: 449.791 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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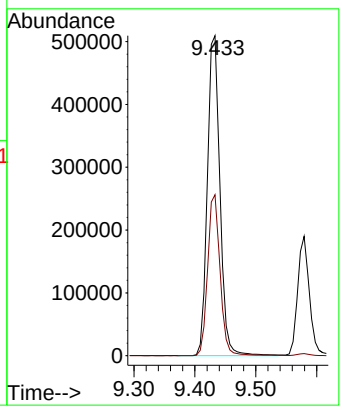
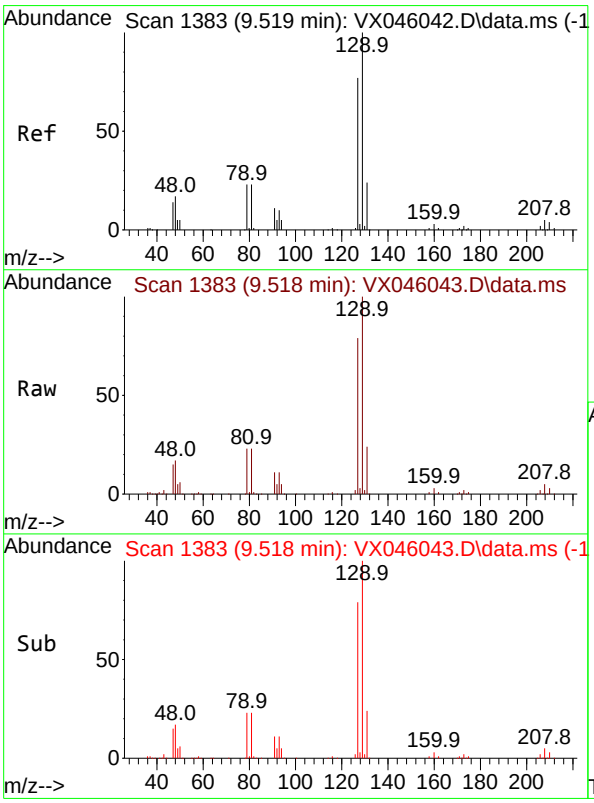
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

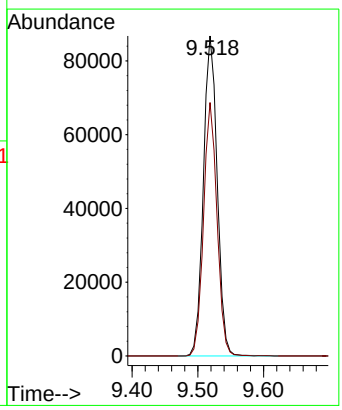


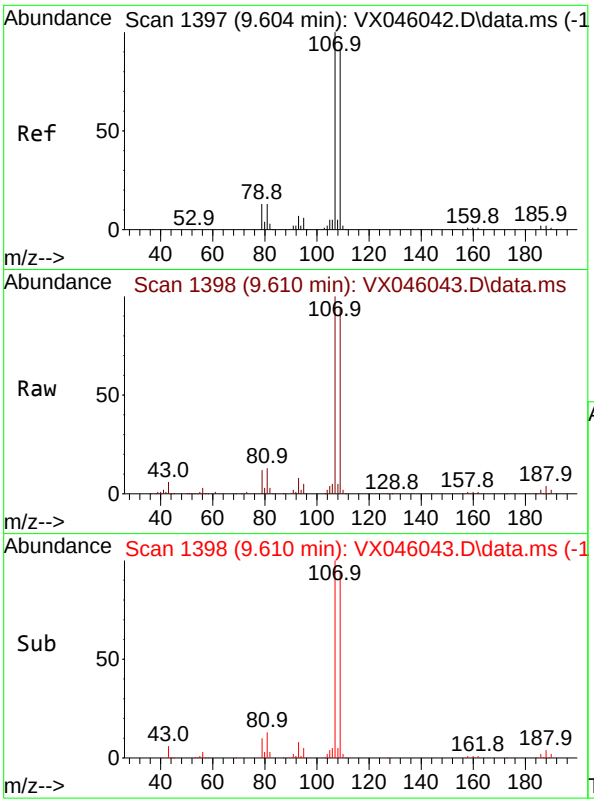


#60
Dibromochloromethane
Concen: 78.918 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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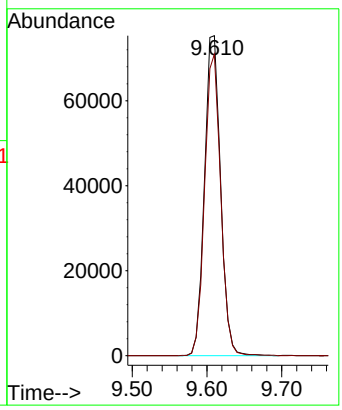
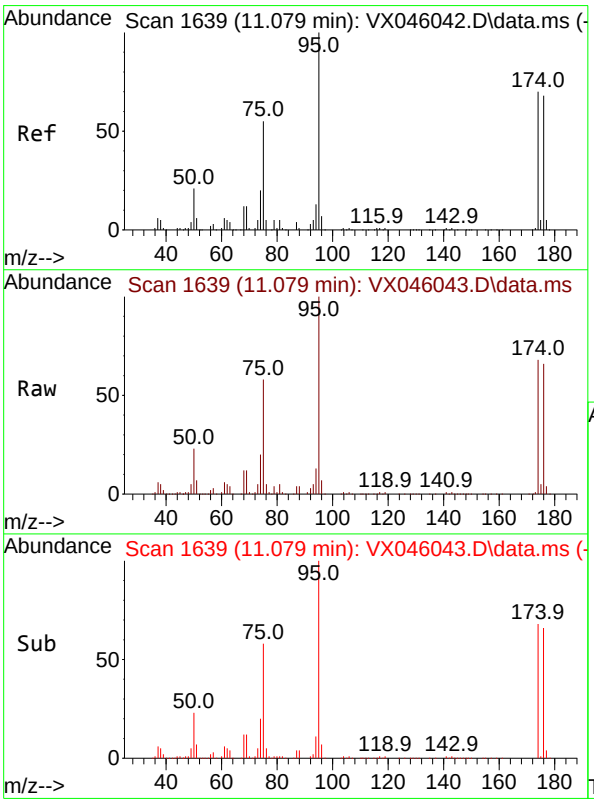
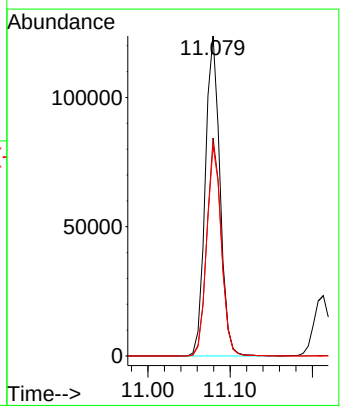


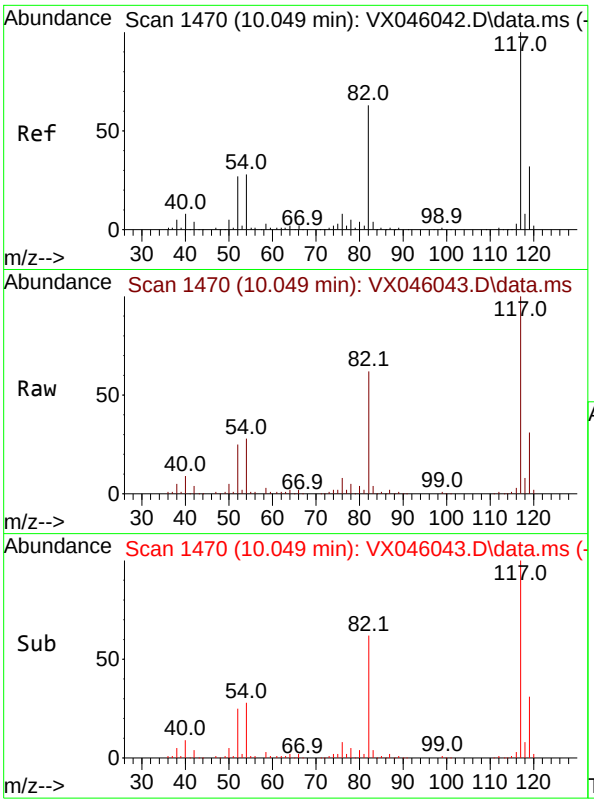


#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

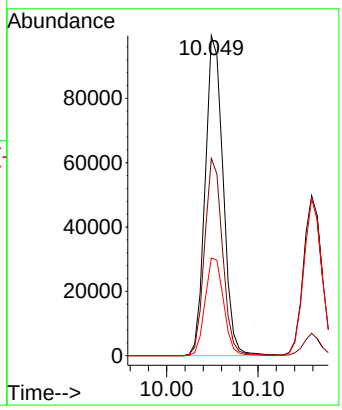




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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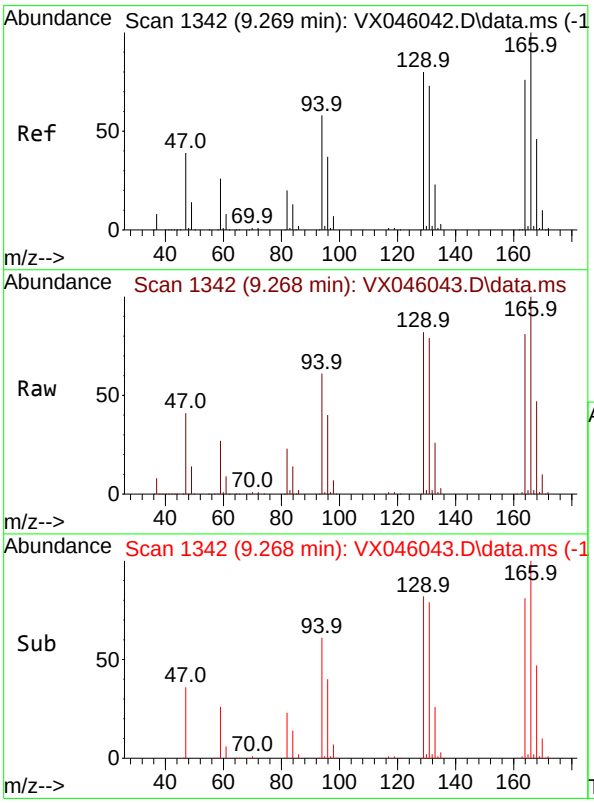
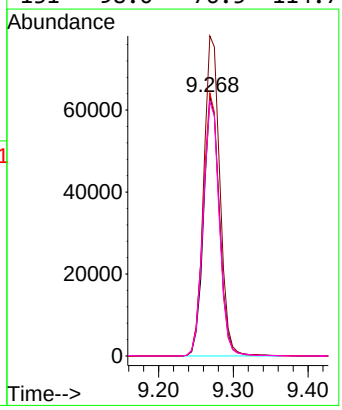
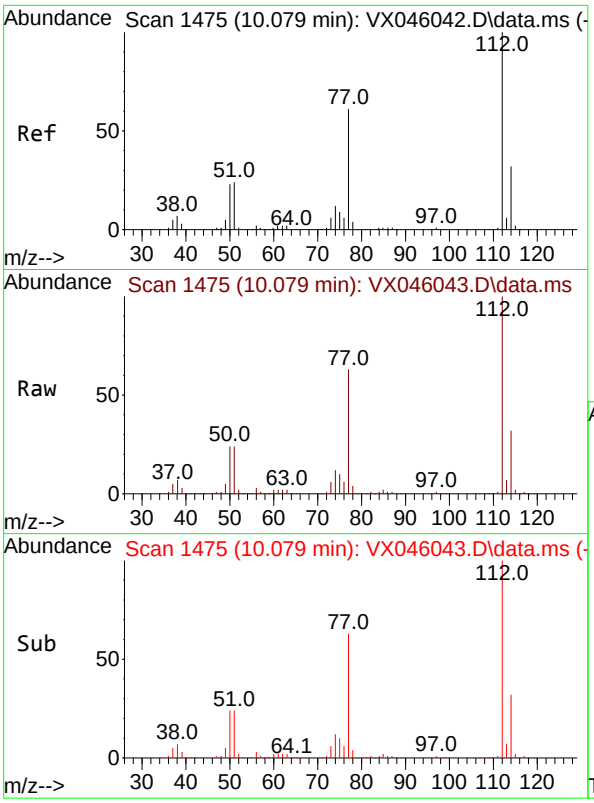


#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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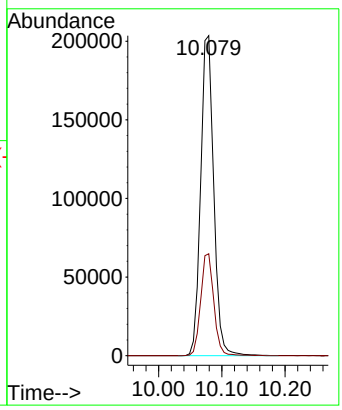
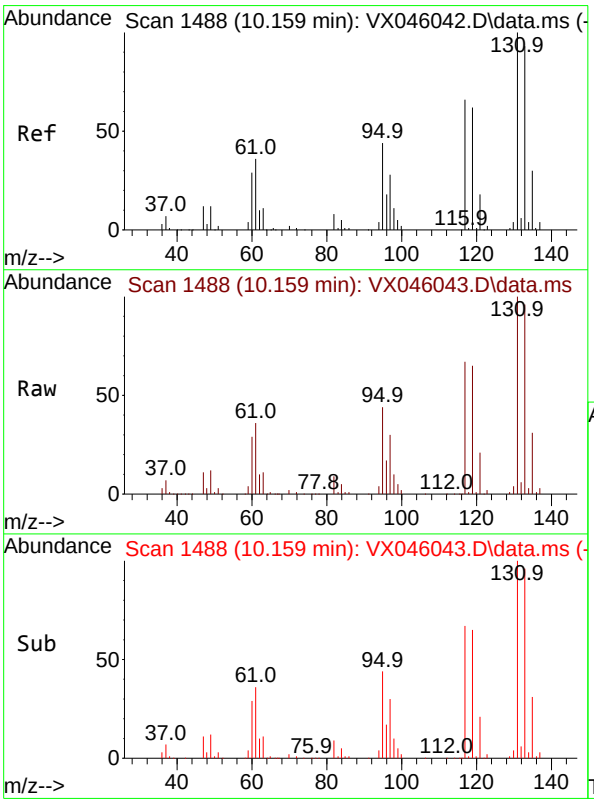
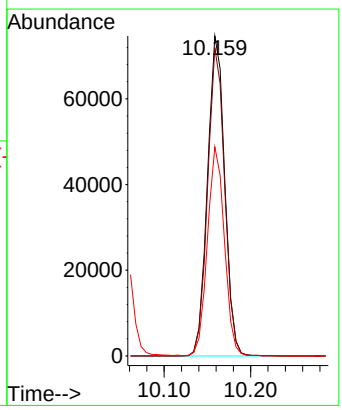


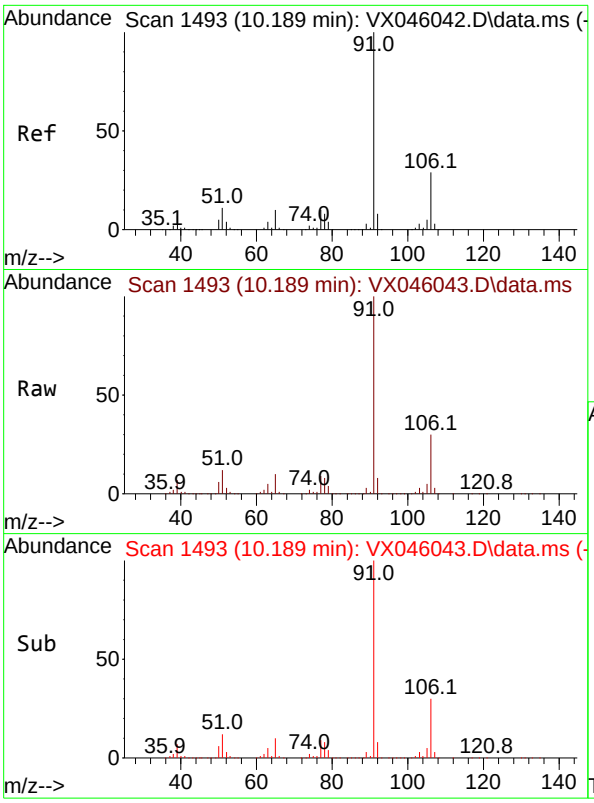


#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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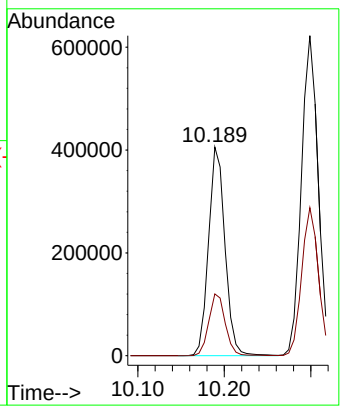
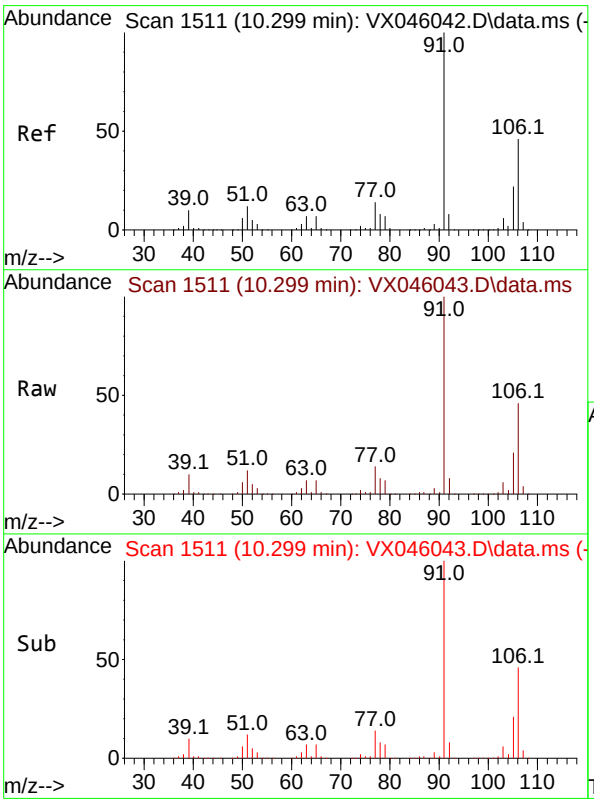
Supervised By :Mahesh Dadoda 05/06/2025

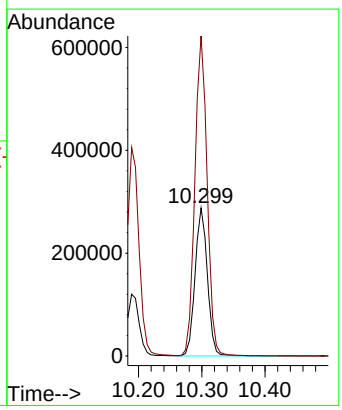


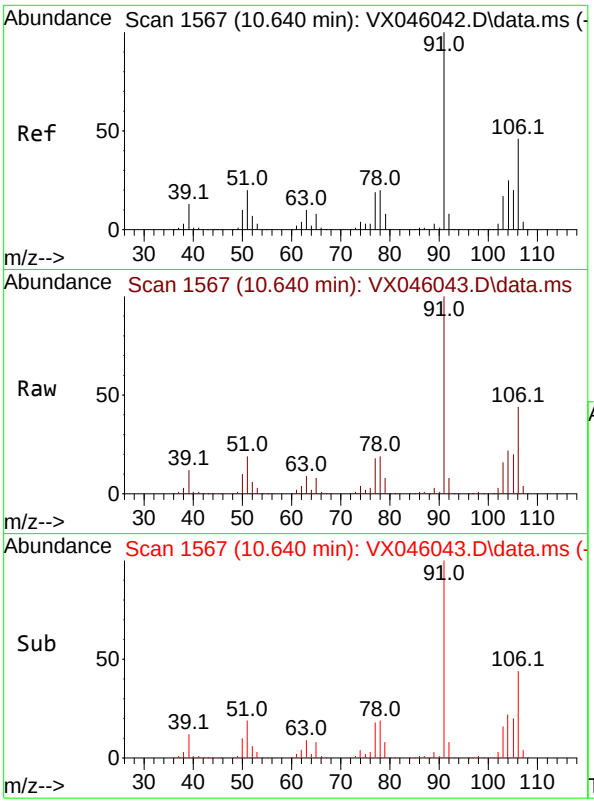


#68
m/p-Xylenes
Concen: 152.181 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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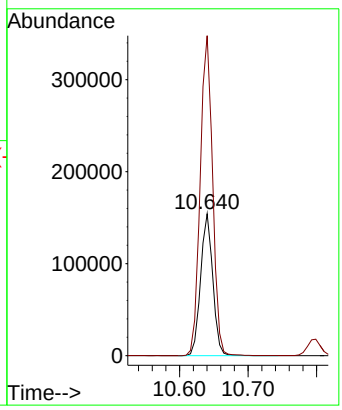
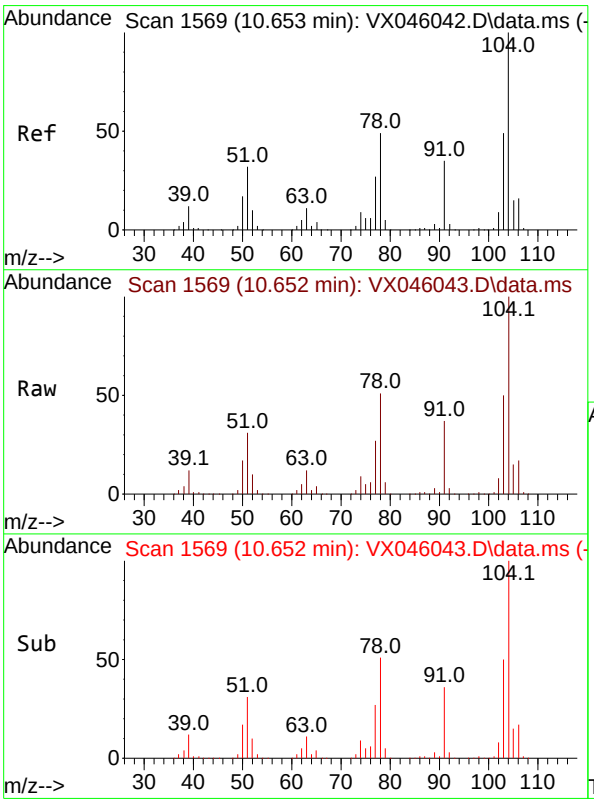
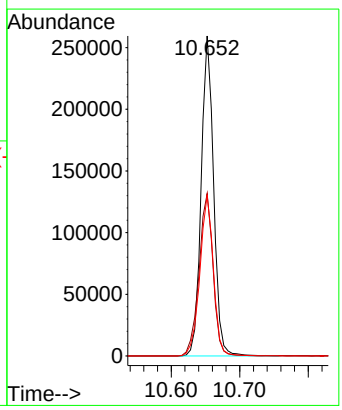


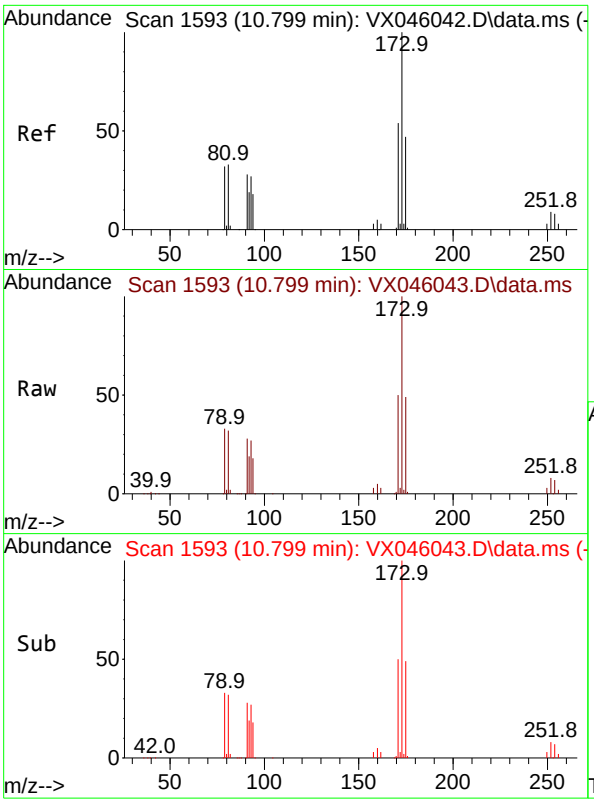


#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

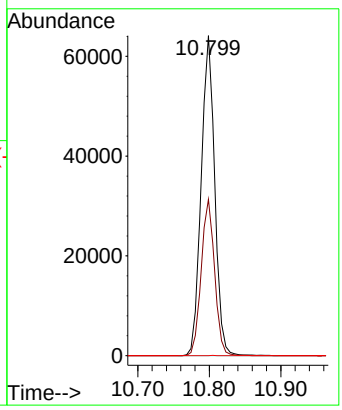




#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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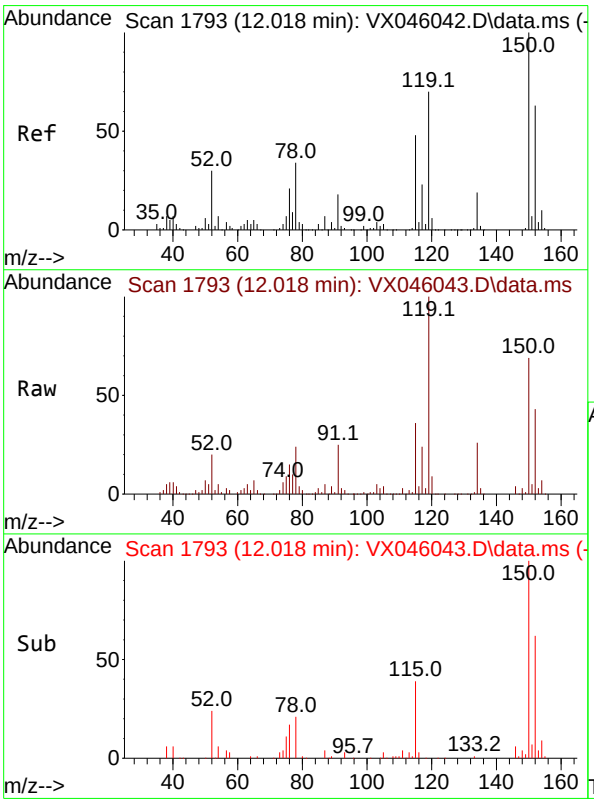
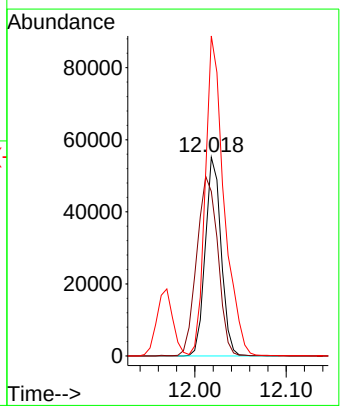
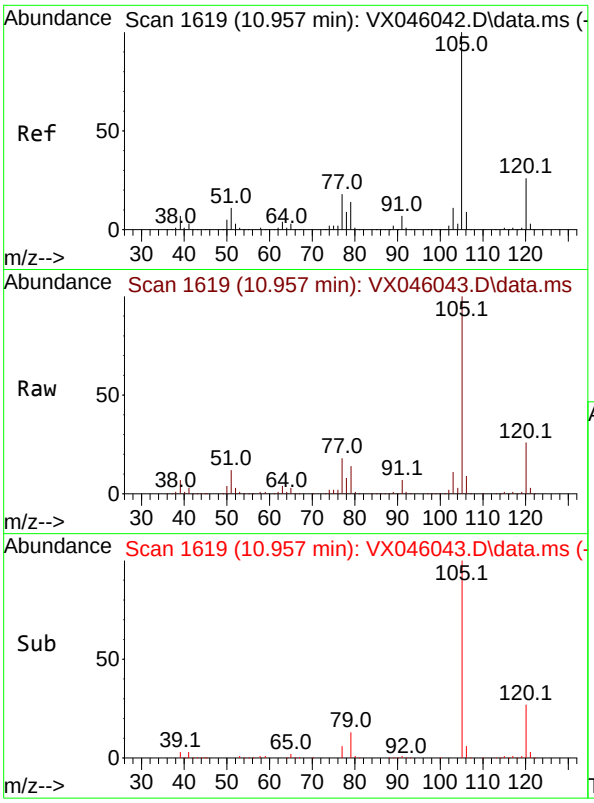


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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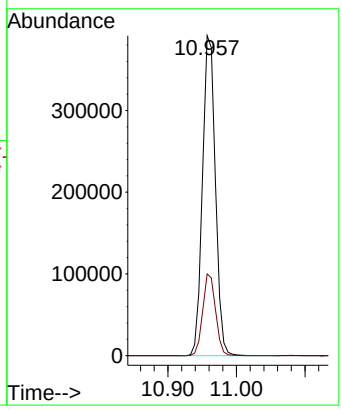
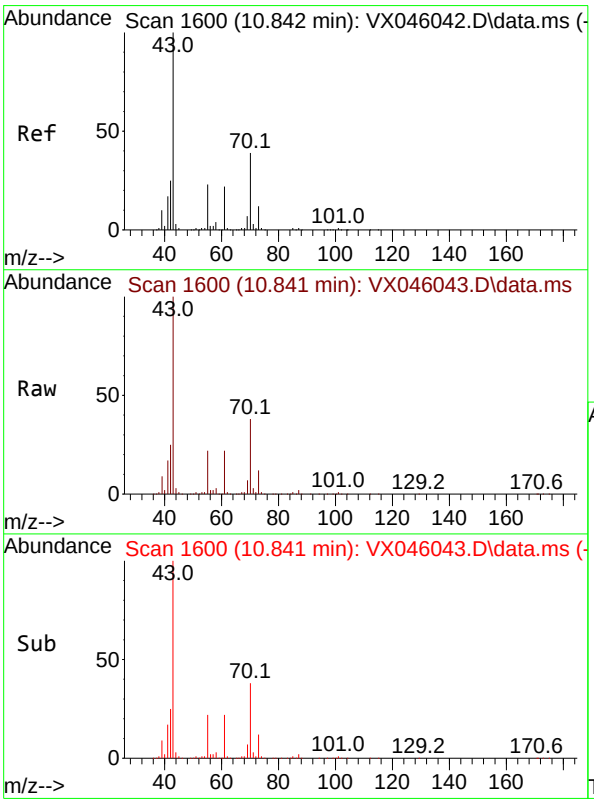
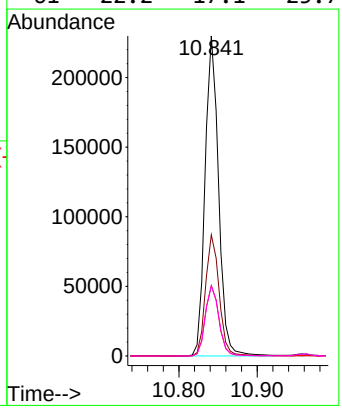


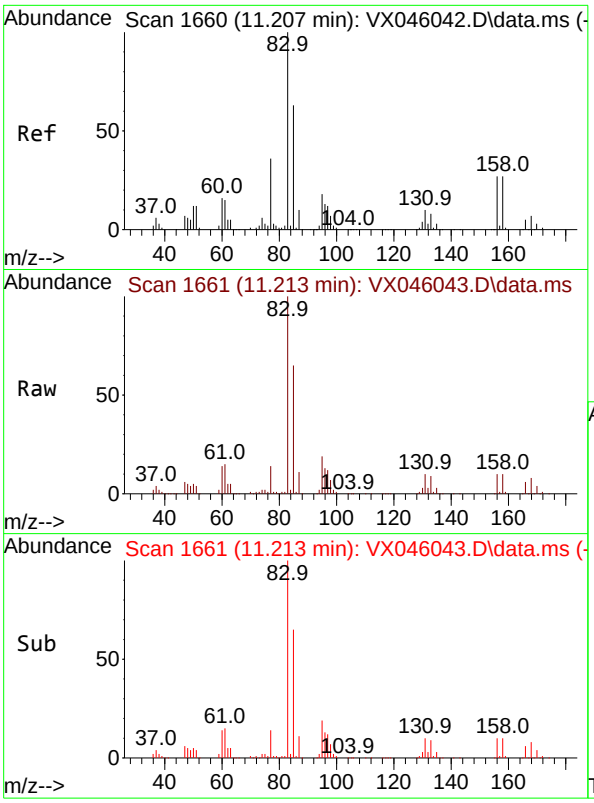


#74
N-amyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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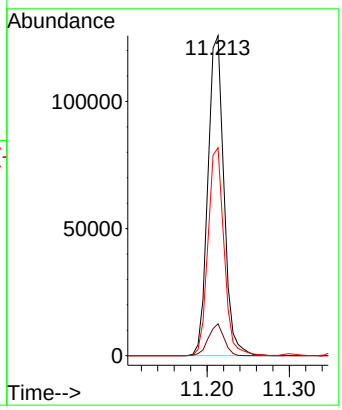
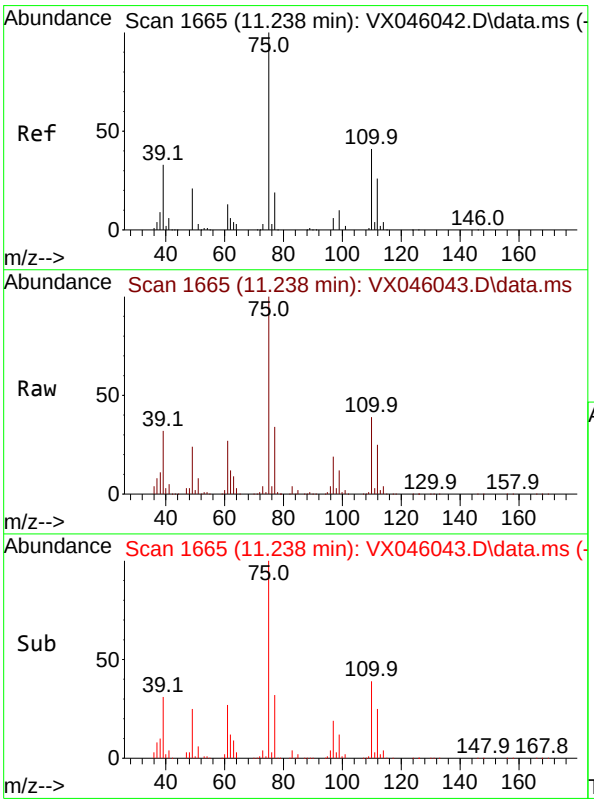
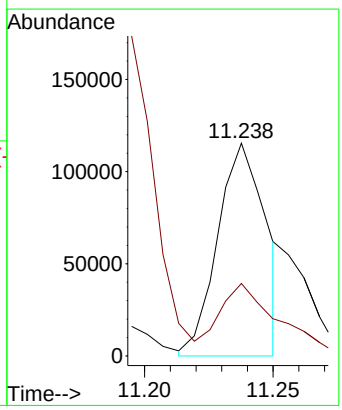


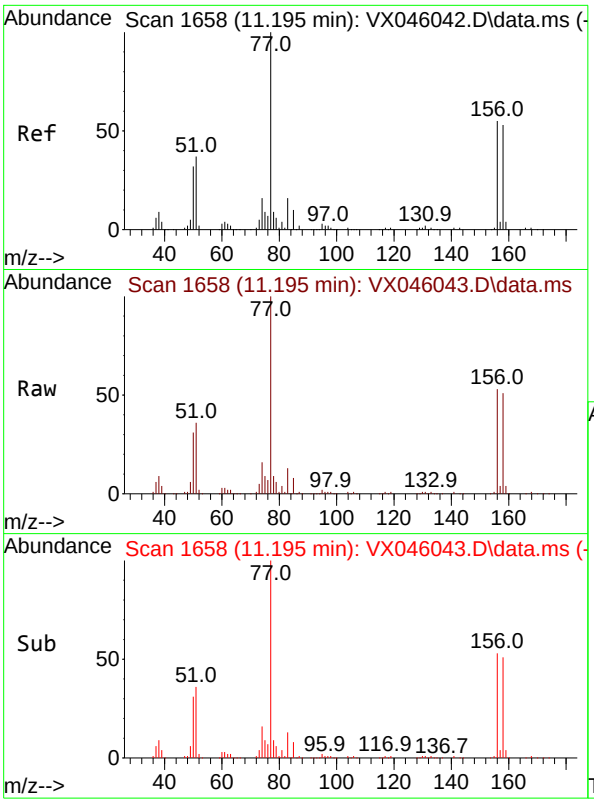


#76
1,2,3-Trichloropropane
Concen: 54.277 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

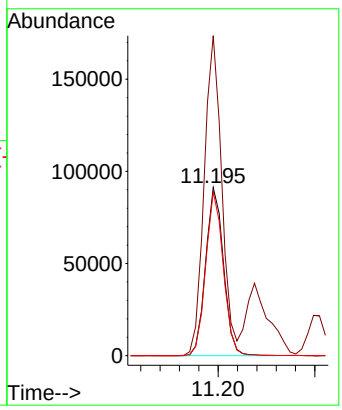
Tgt Ion:156 Resp: 11715

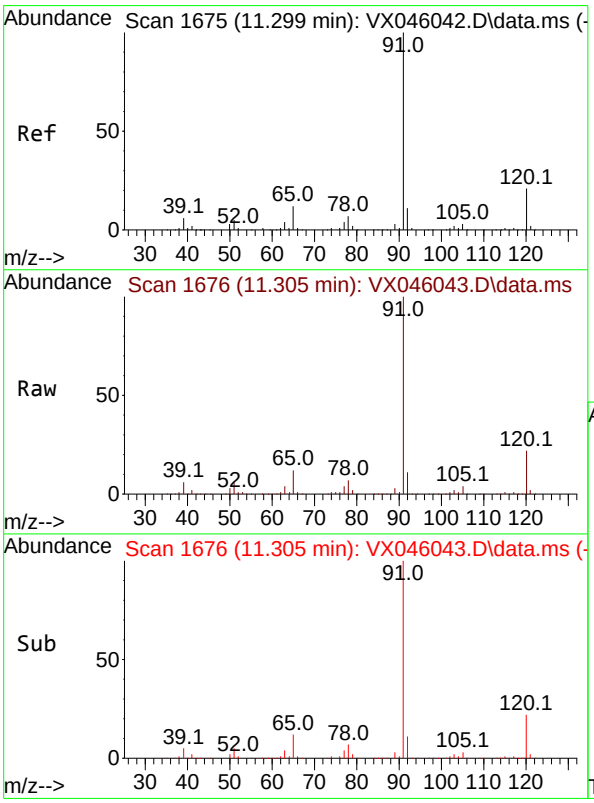
Ion	Ratio	Lower	Upper
156	100		
77	187.4	92.8	278.3
158	96.1	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

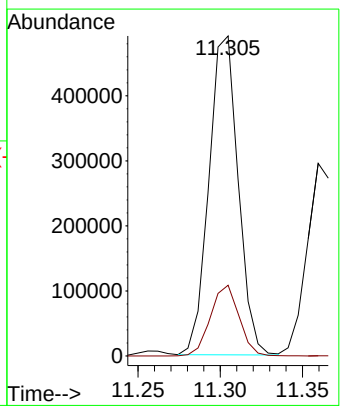


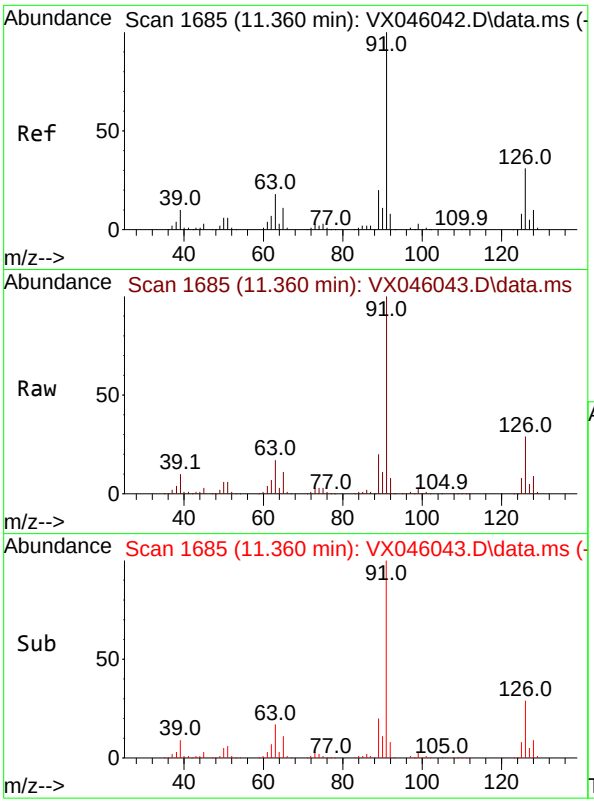


#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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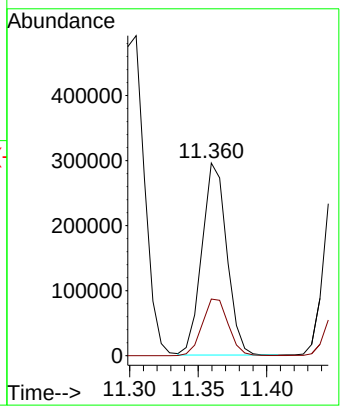
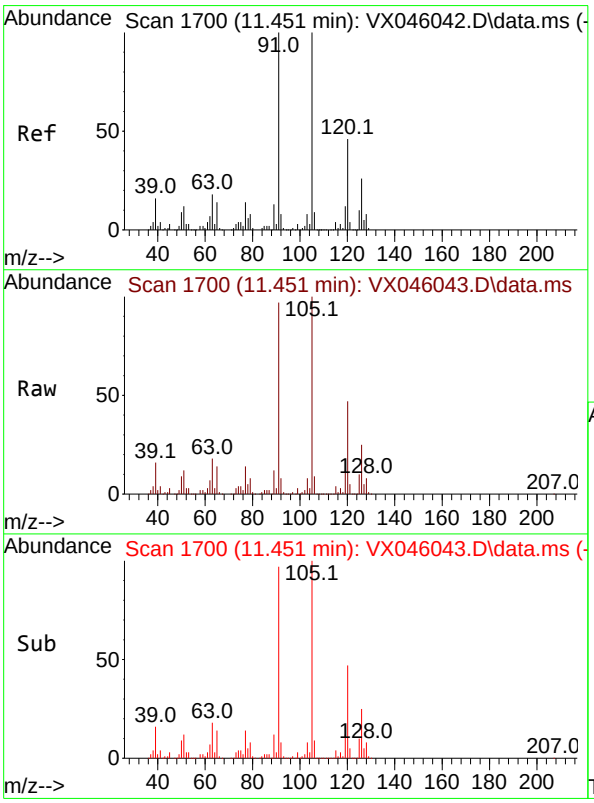
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

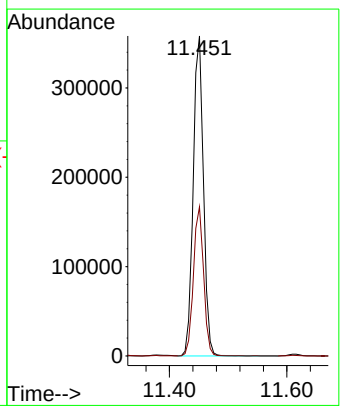


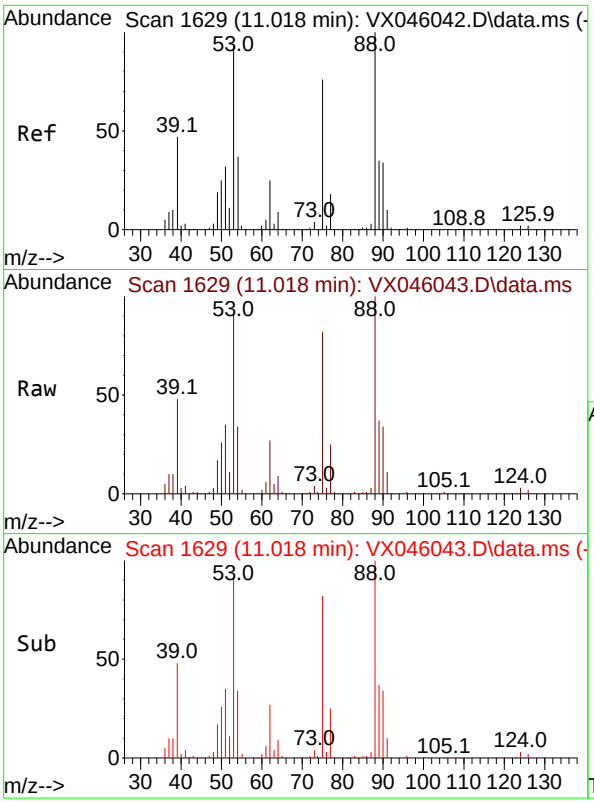


#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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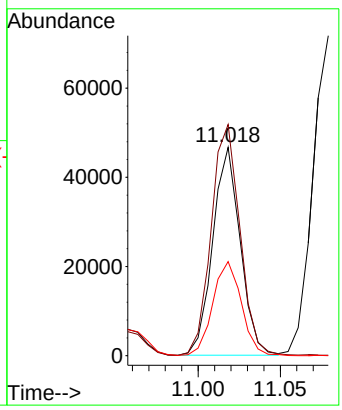
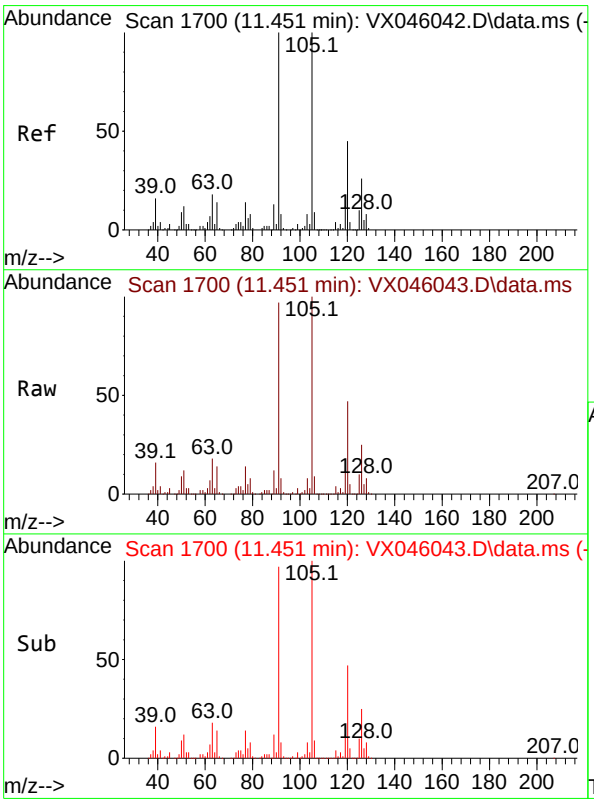
Supervised By :Mahesh Dadoda 05/06/2025

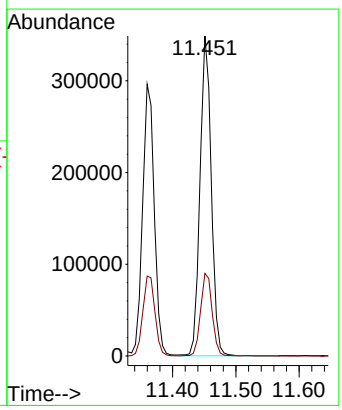


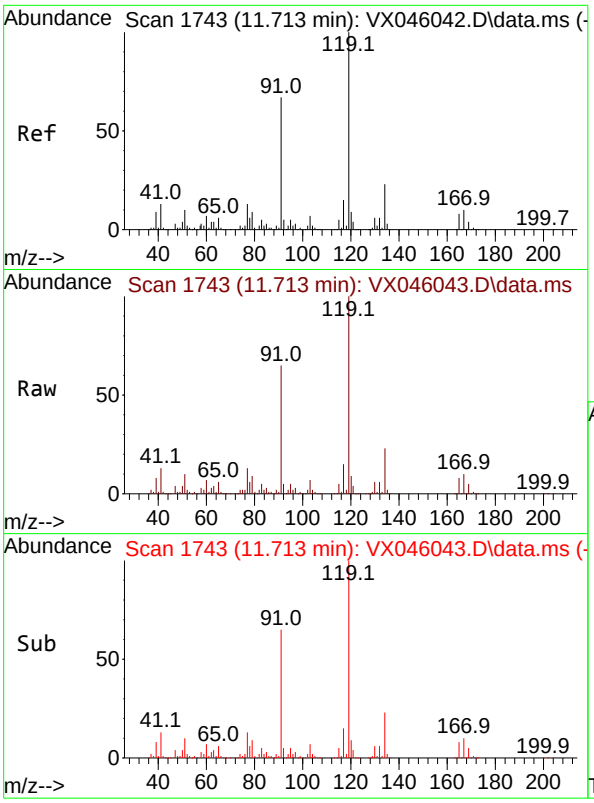


#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 432053

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

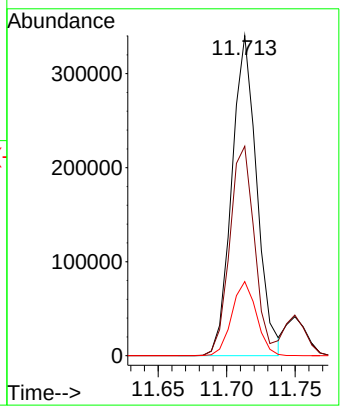




#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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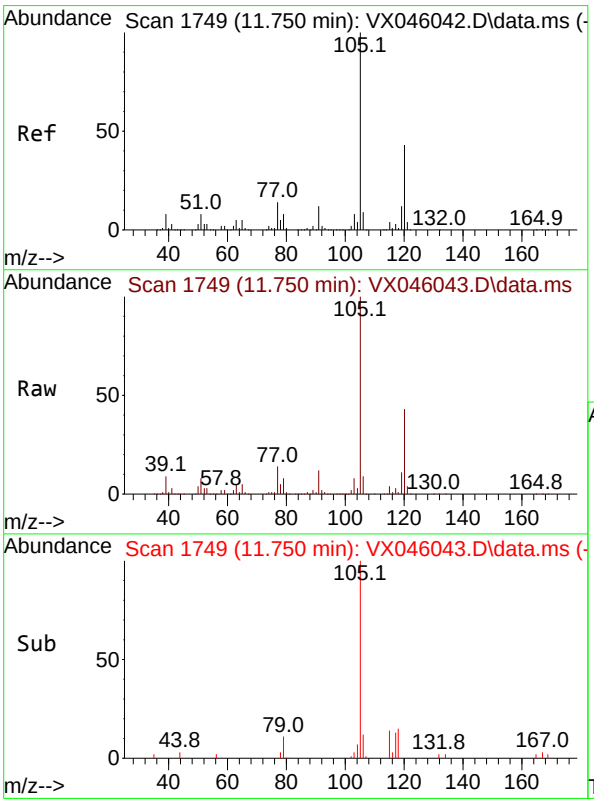
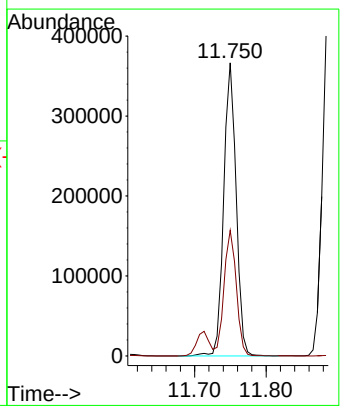
Supervised By :Mahesh Dadoda 05/06/2025

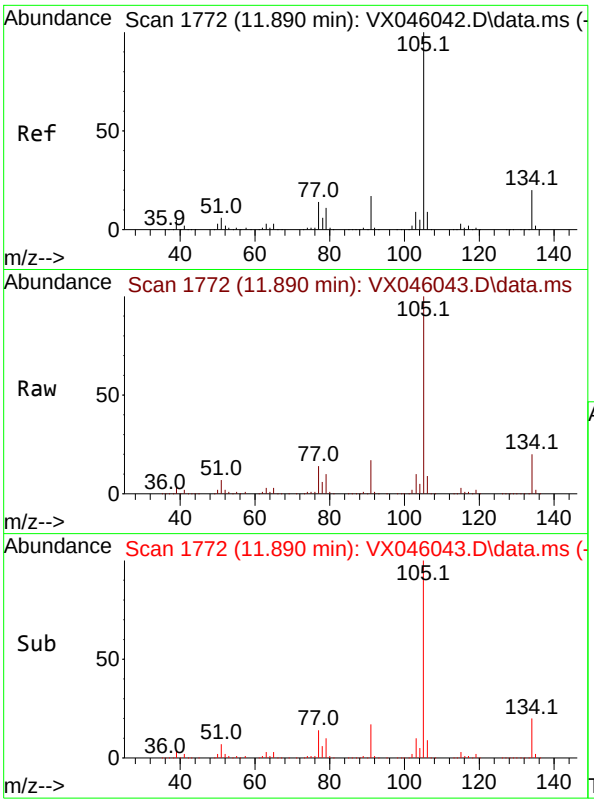


#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6

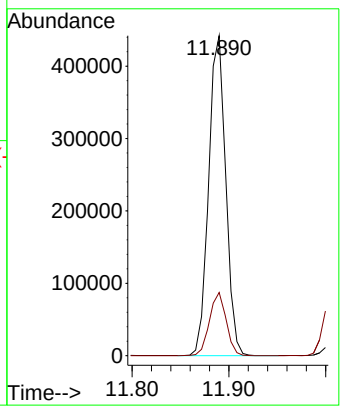




#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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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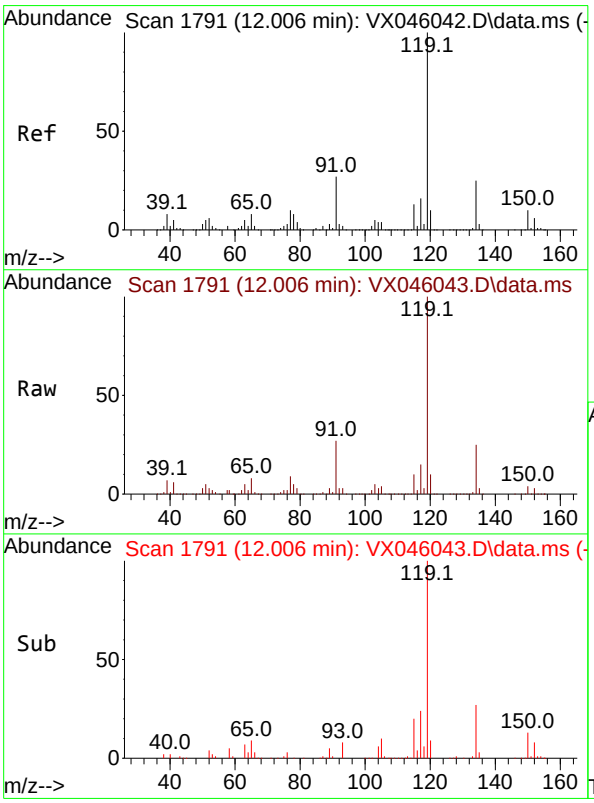
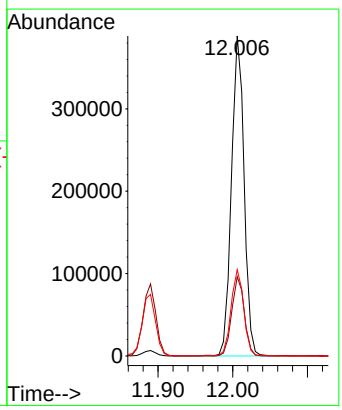
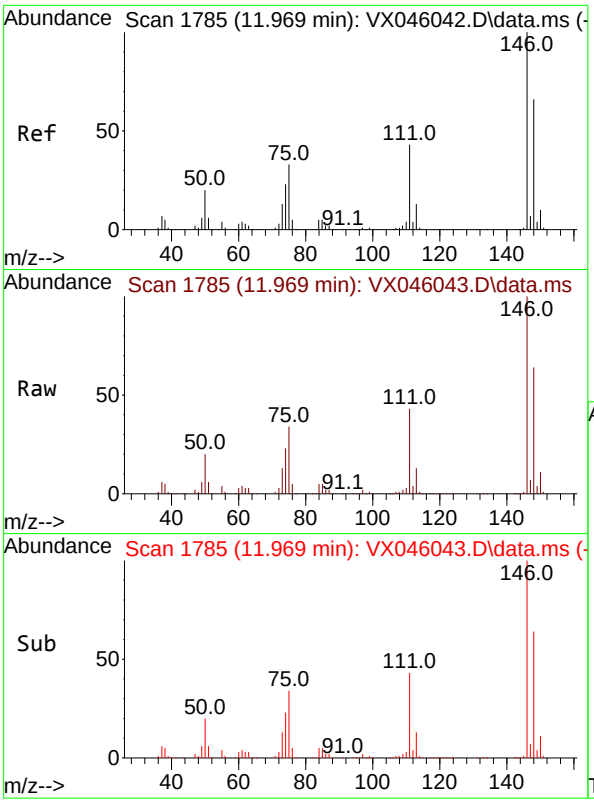


#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

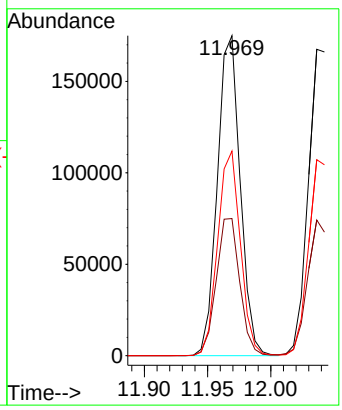




#87
1,3-Dichlorobenzene
Concen: 70.449 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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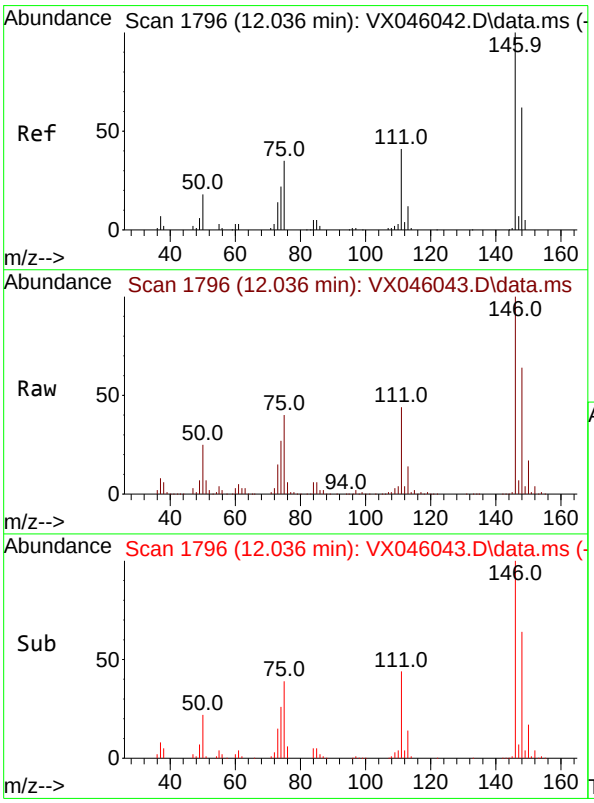
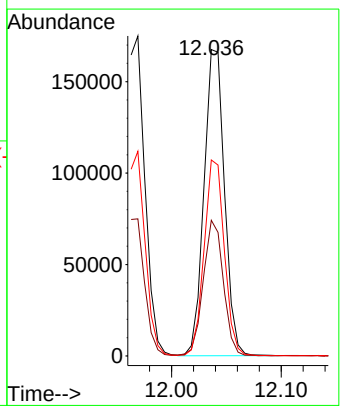
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

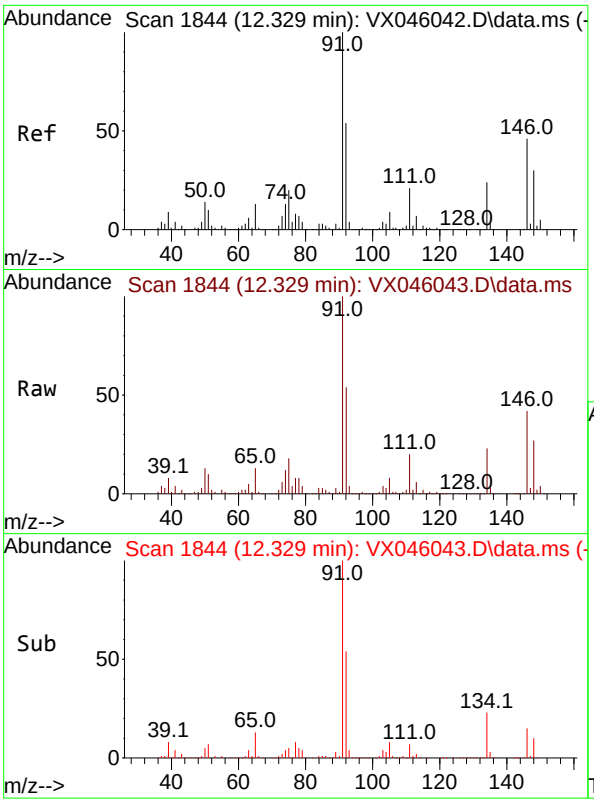


#88
1,4-Dichlorobenzene
Concen: 71.190 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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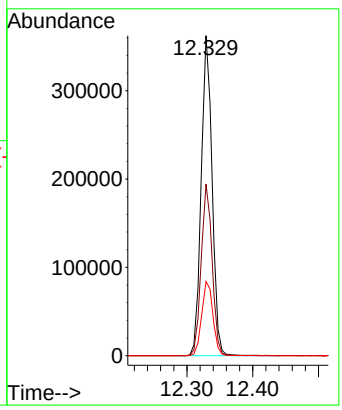
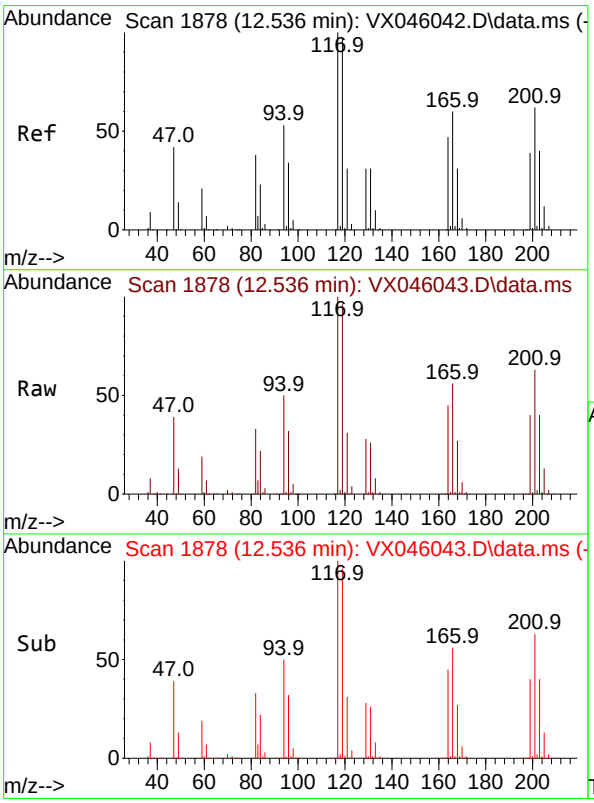
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

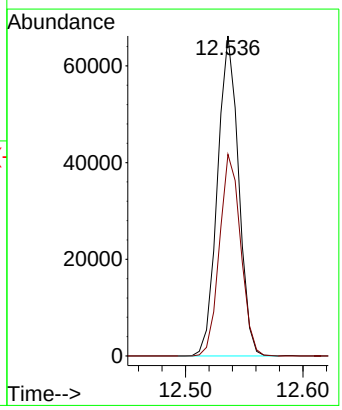


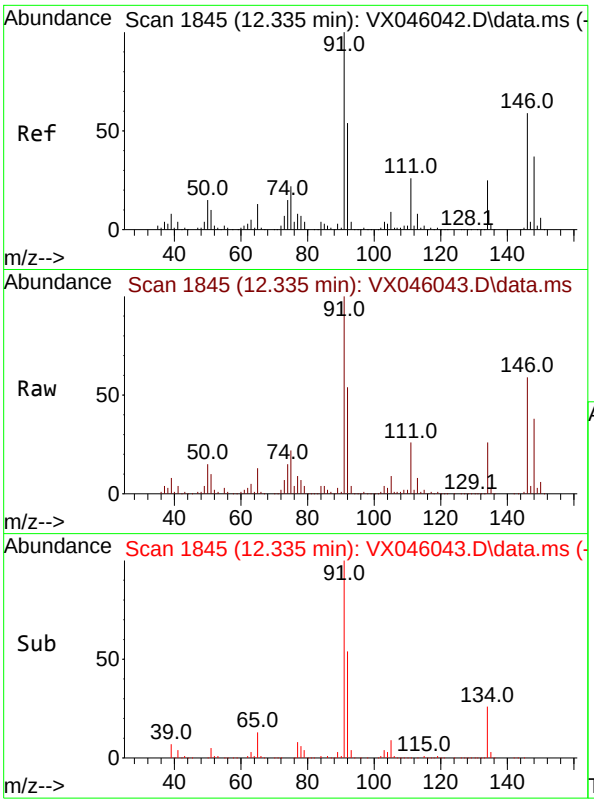


#90
Hexachloroethane
Concen: 74.978 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 82528

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.6	94.7

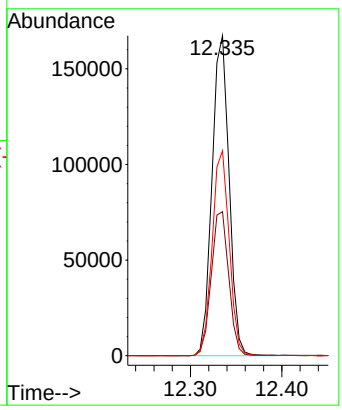




#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

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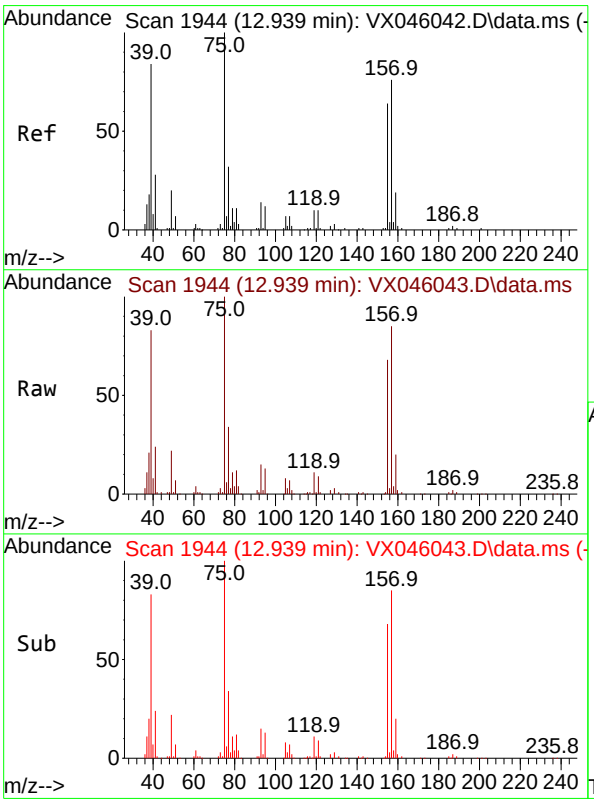
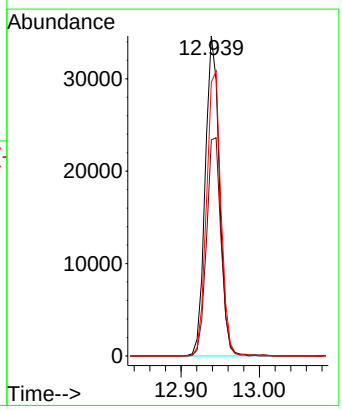
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

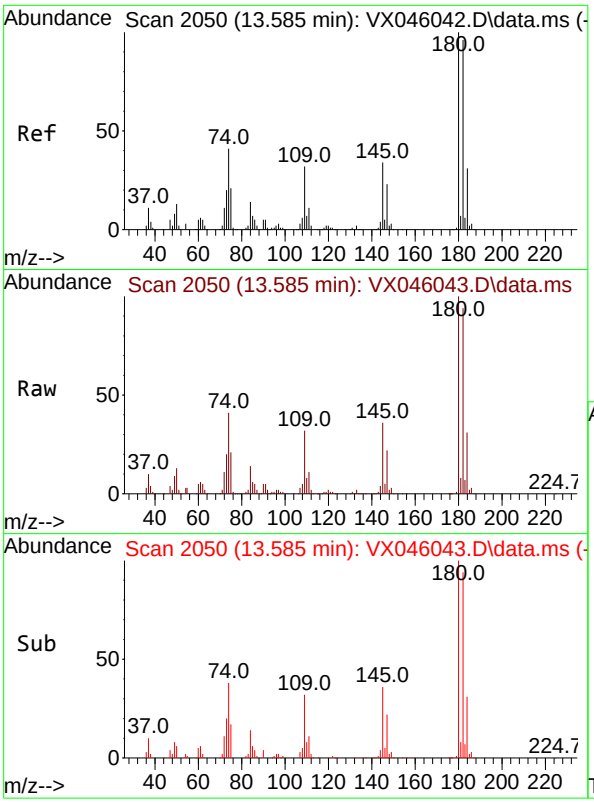


#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

Manual Integrations
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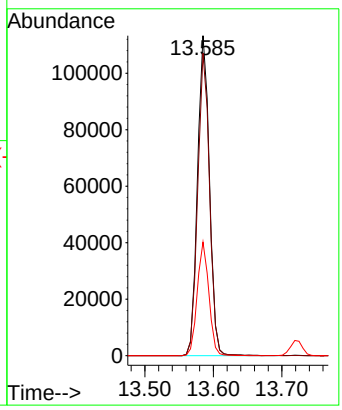
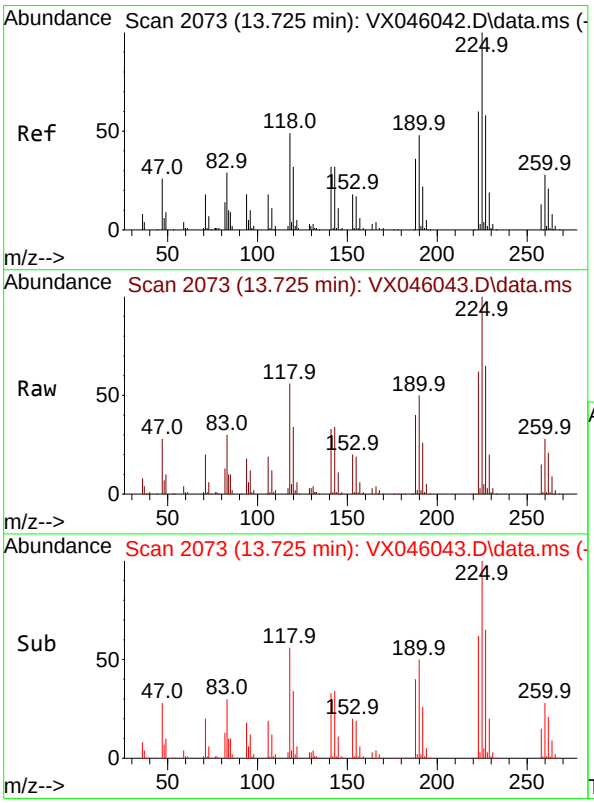
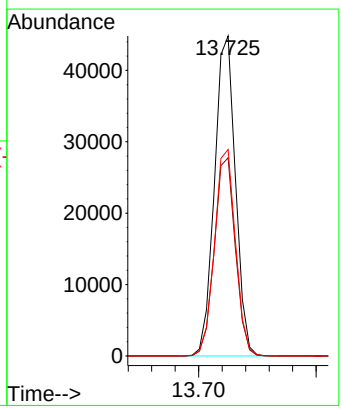


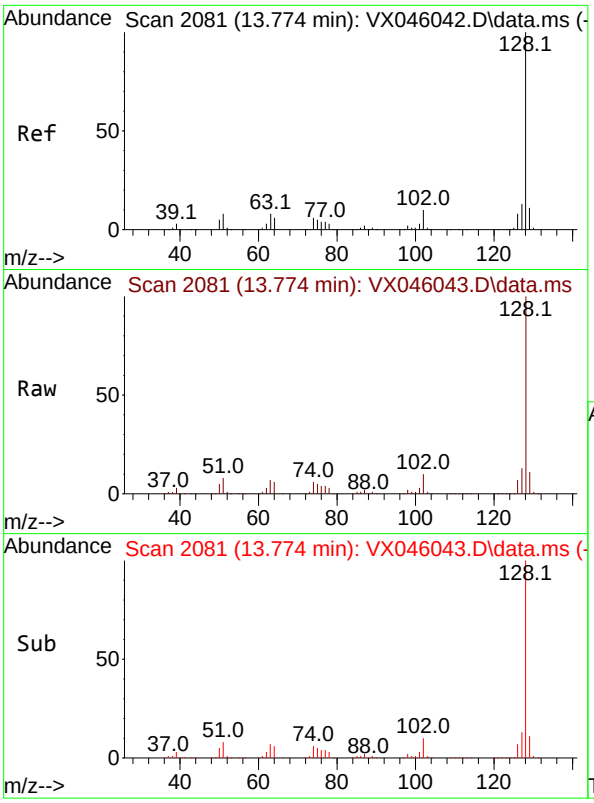


#94
Hexachlorobutadiene
Concen: 71.314 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

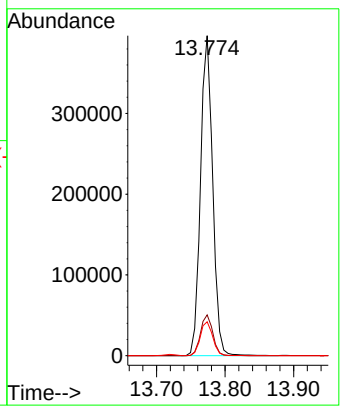




#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:128 Resp: 48977

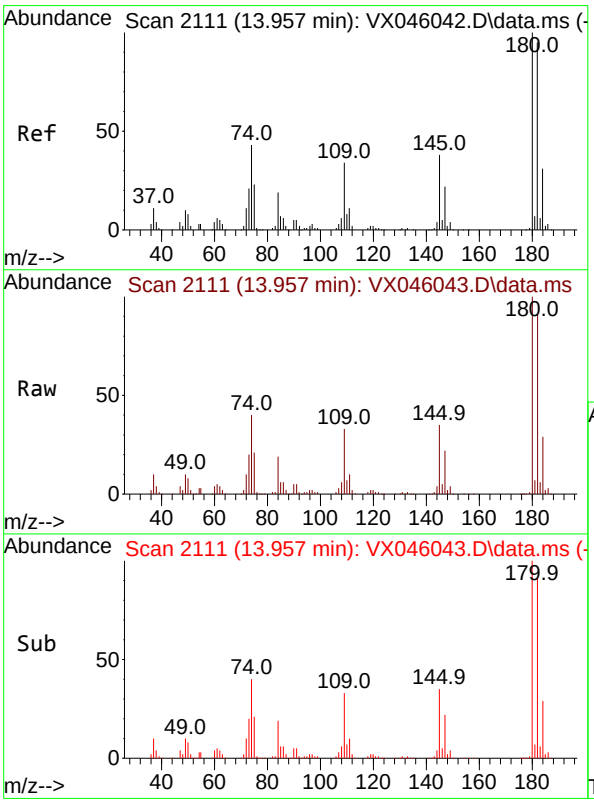
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

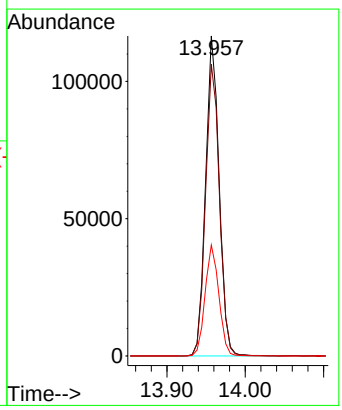
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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



Quantitation Report (QT Reviewed)

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

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)
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

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

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

ICAL Form

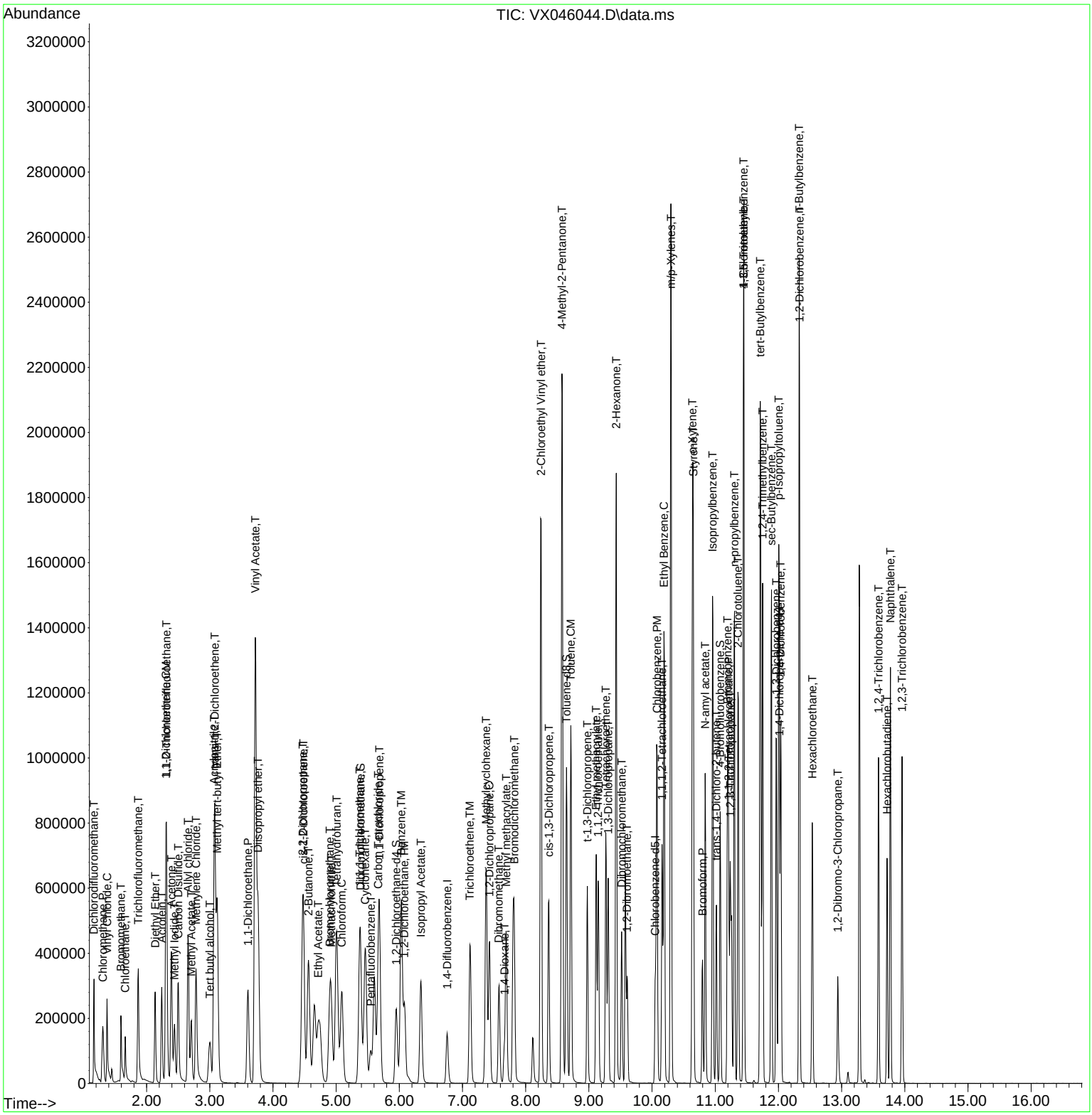
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

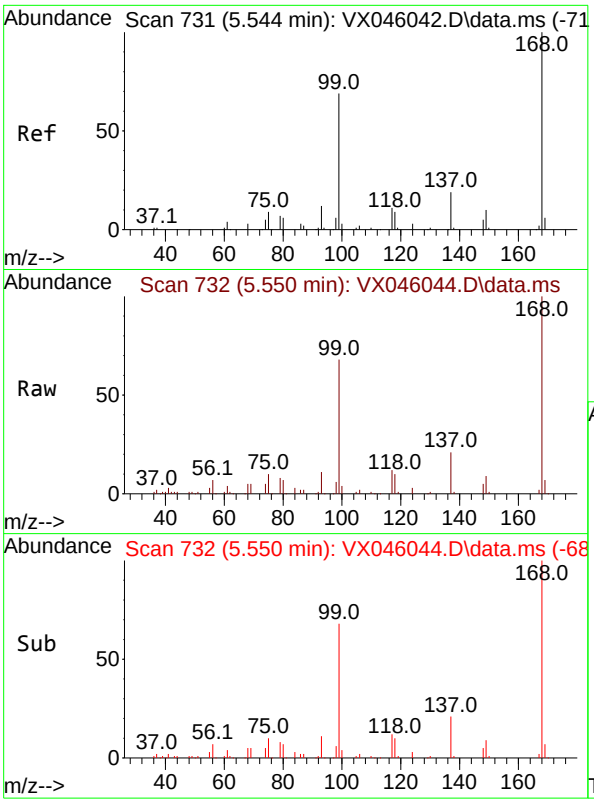
Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

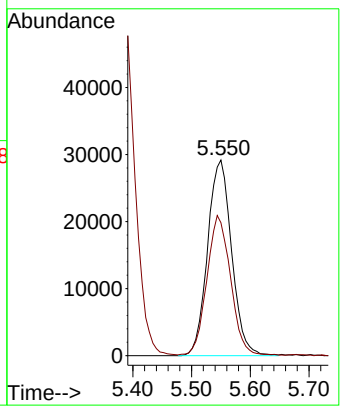




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:168 Resp: 8296

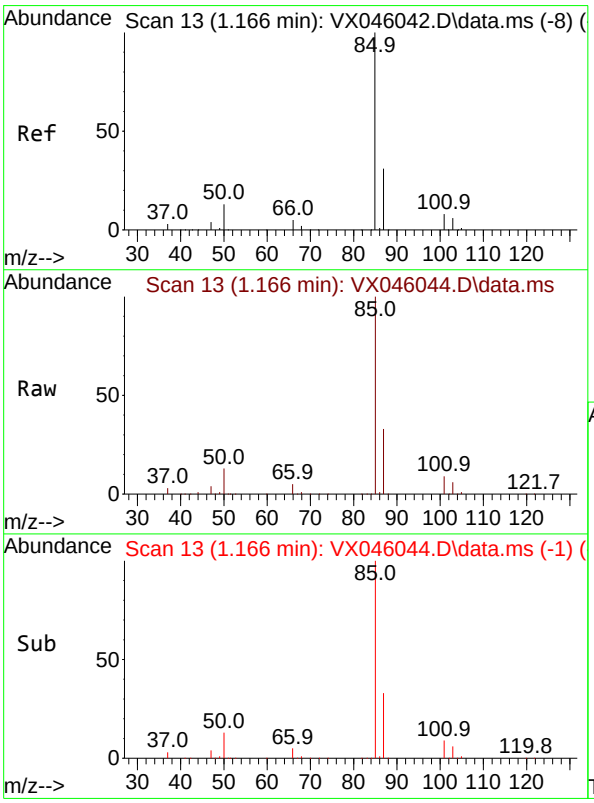
Ion	Ratio	Lower	Upper
168	100		
99	67.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

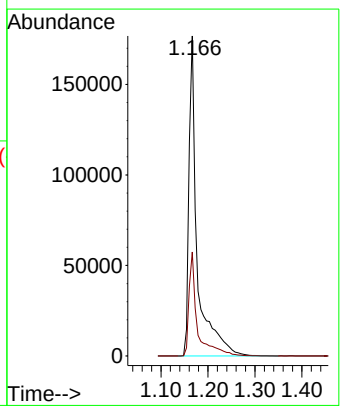
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

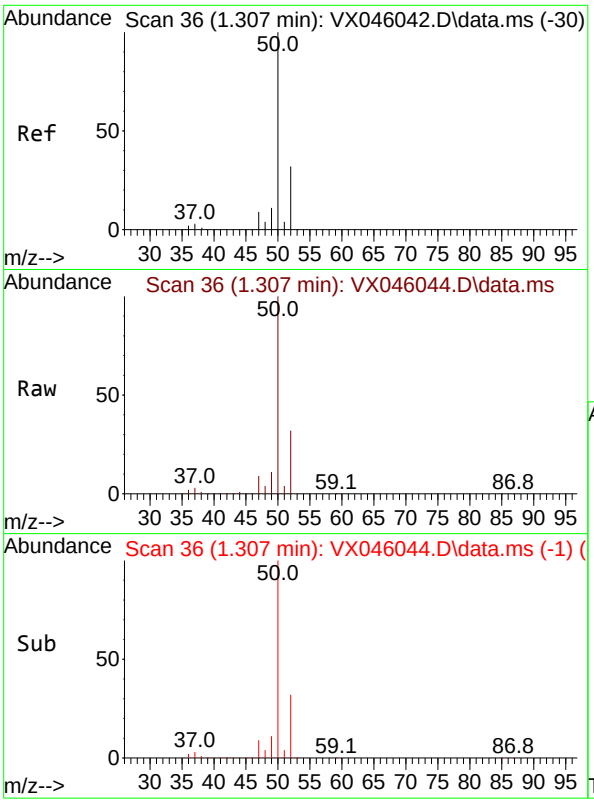


#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

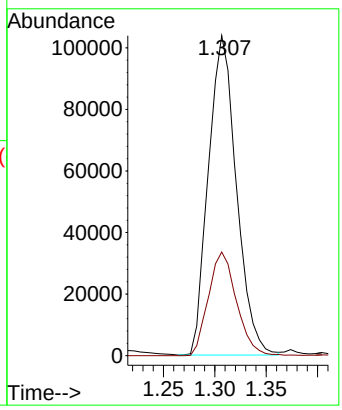




#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 50 Resp: 19684

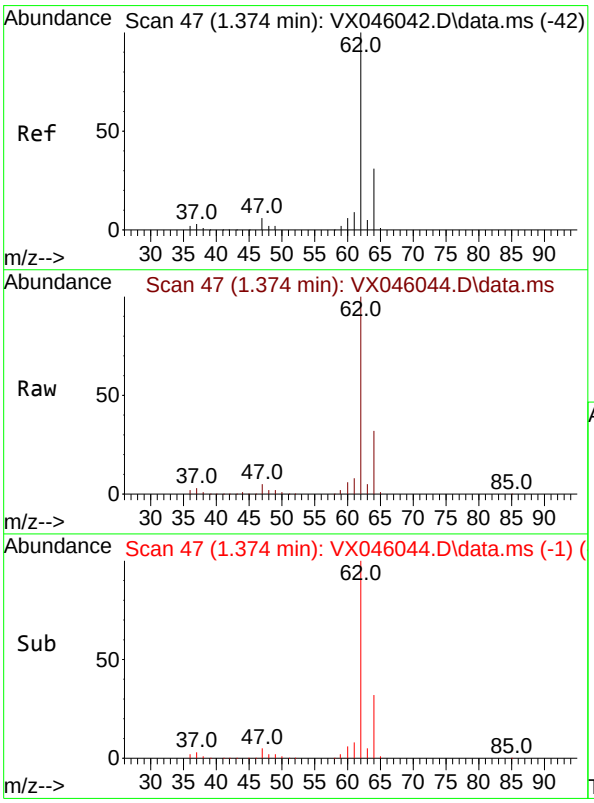
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

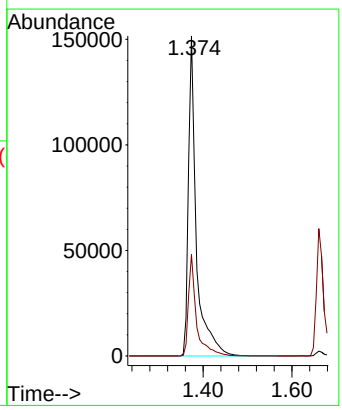
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

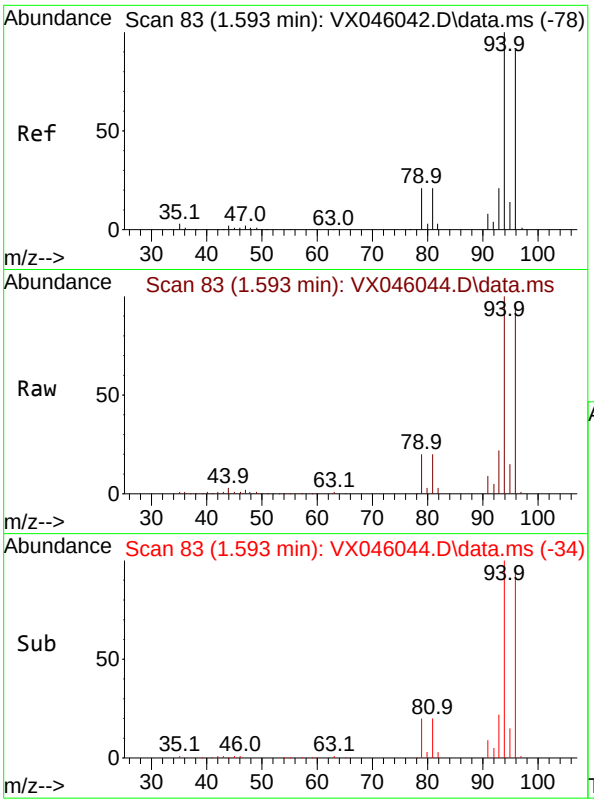


#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

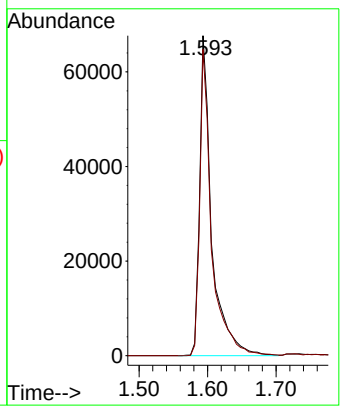
Tgt Ion: 94 Resp: 8300

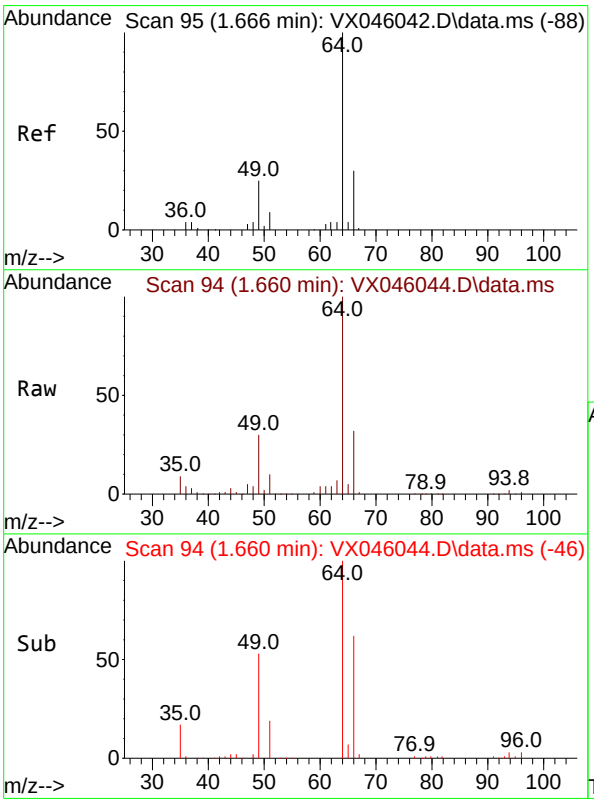
Ion	Ratio	Lower	Upper
94	100		
96	95.8	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

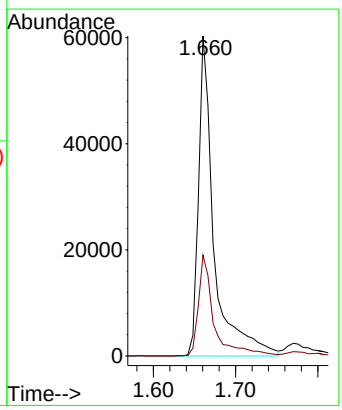


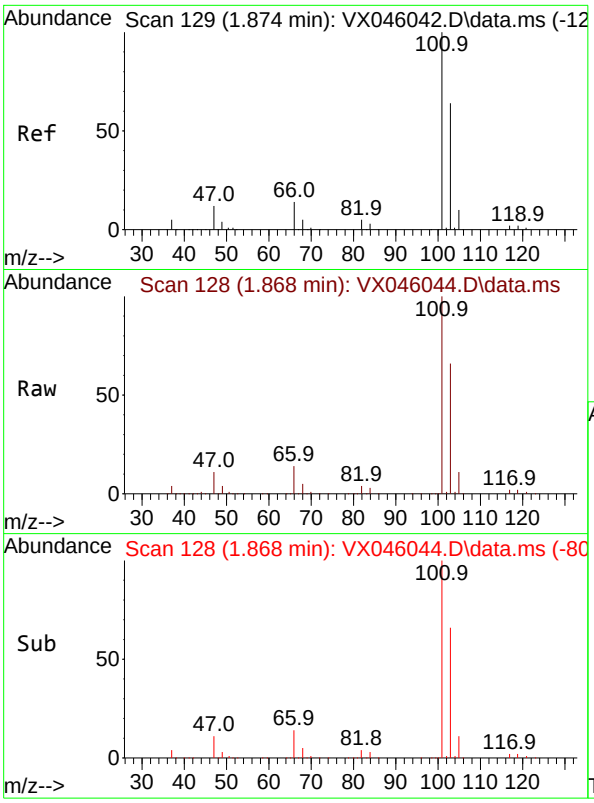


#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 64 Resp: 78806

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5

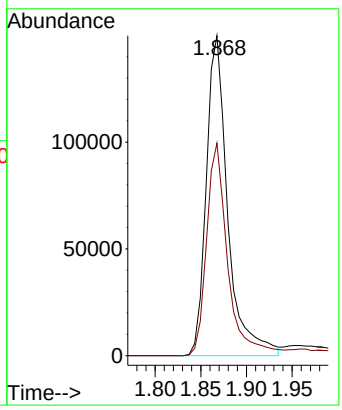




#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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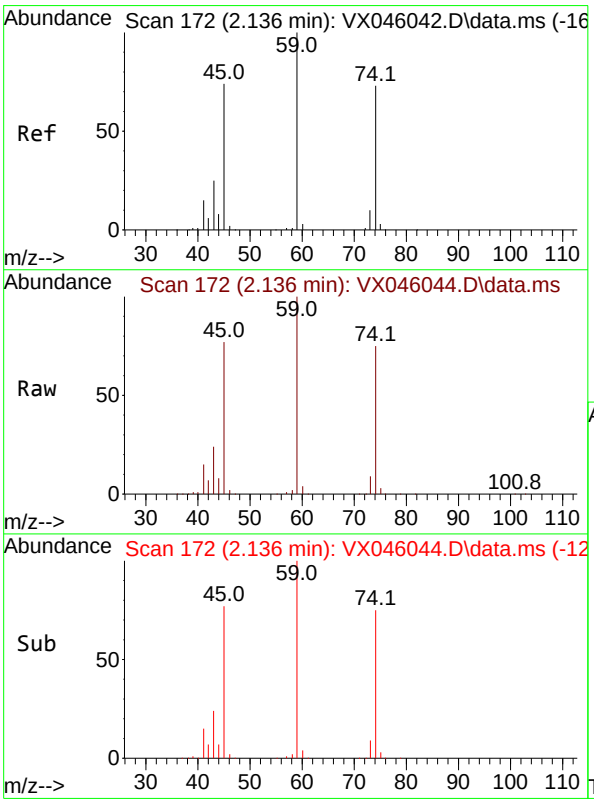
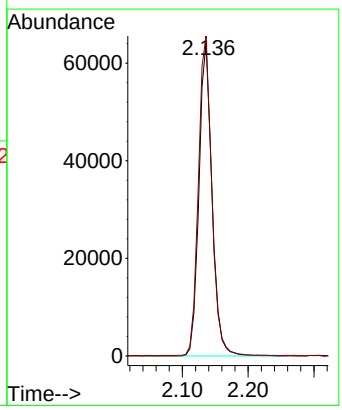
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

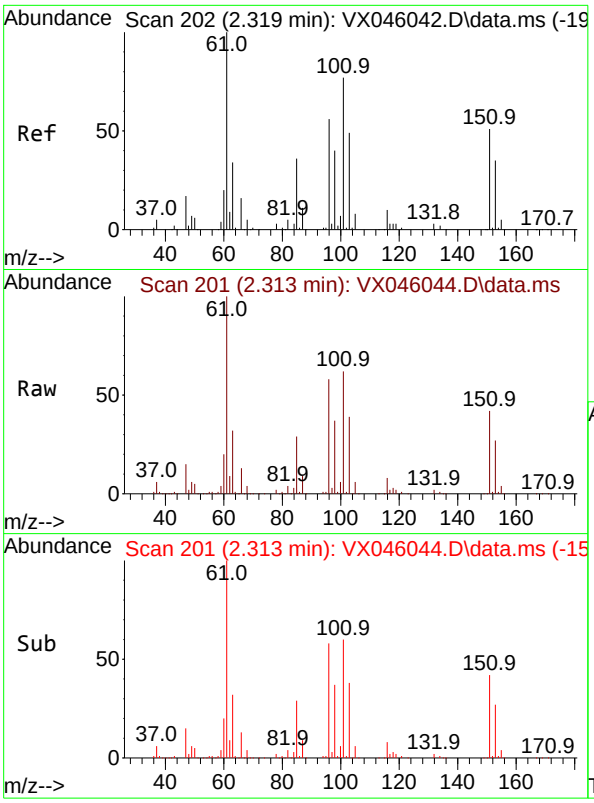


#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

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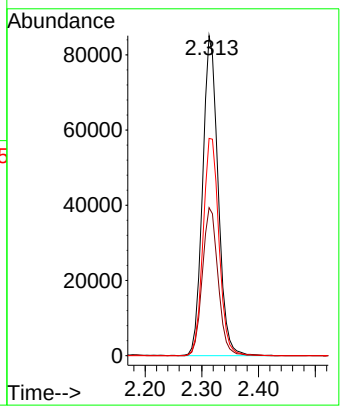
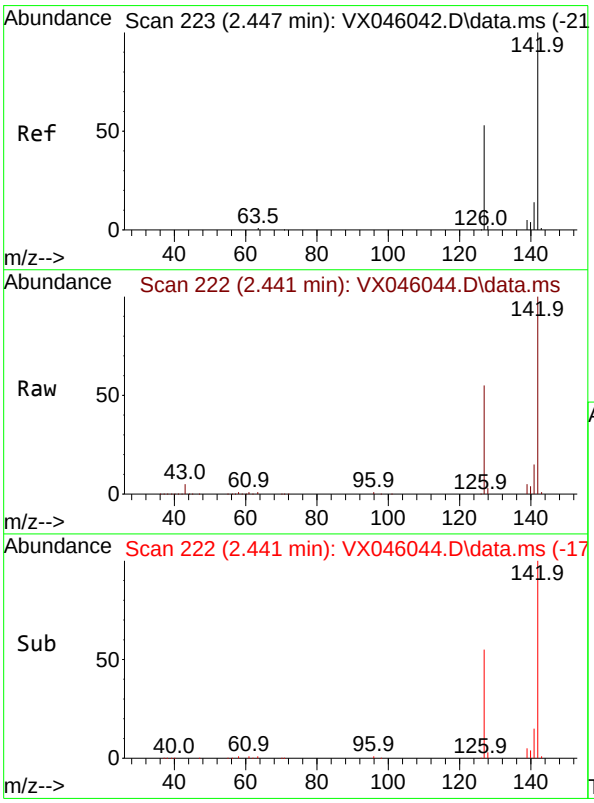
Supervised By :Mahesh Dadoda 05/06/2025

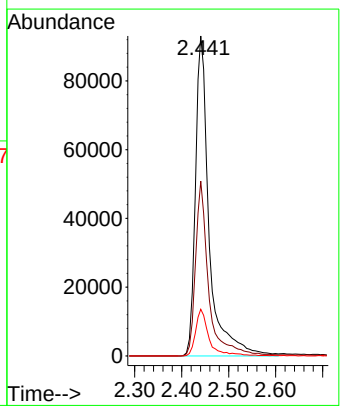


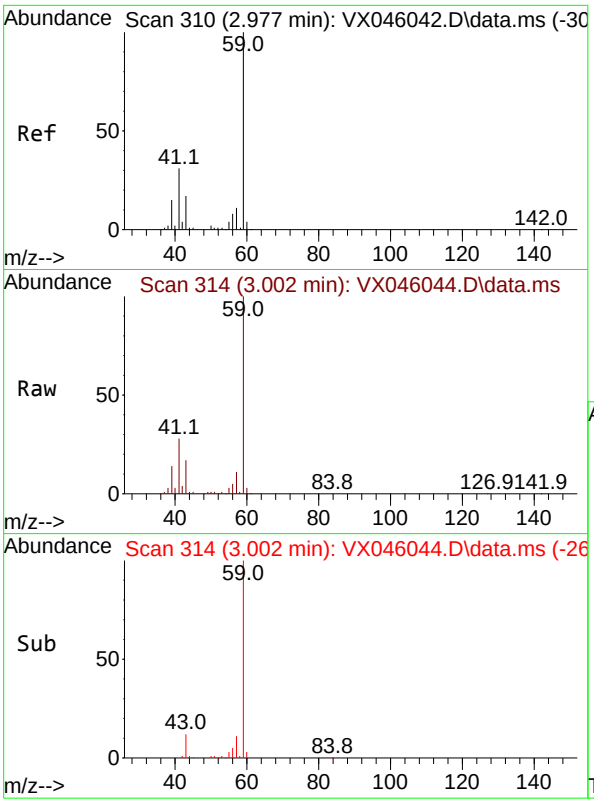


#10
Methyl Iodide
Concen: 112.441 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

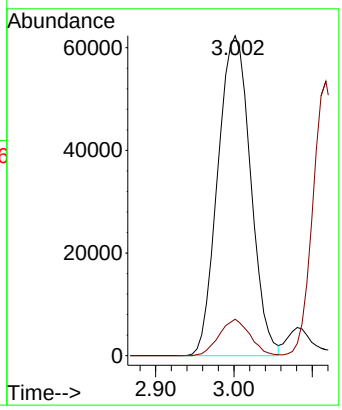




#11
Tert butyl alcohol
Concen: 616.119 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.024 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 59 Resp: 18123

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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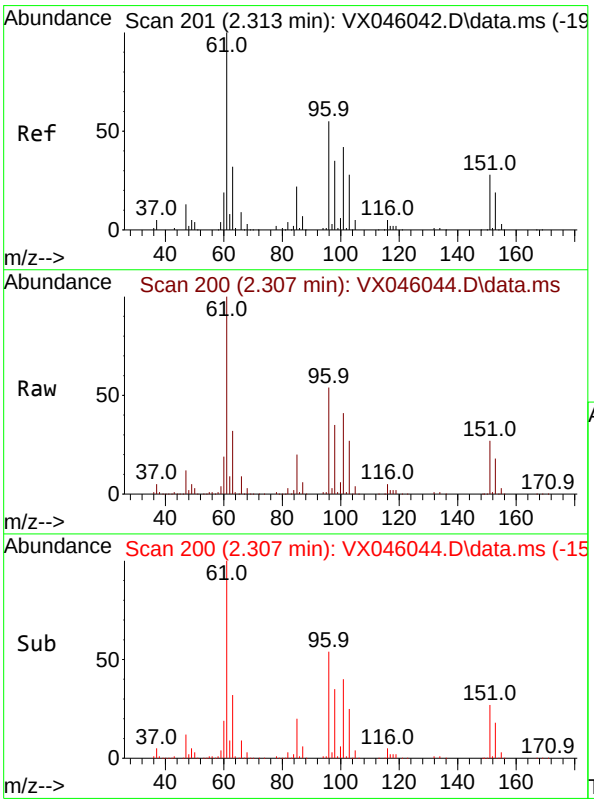
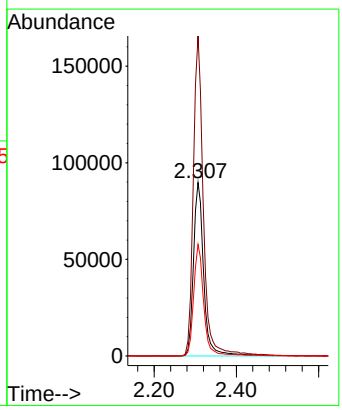
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

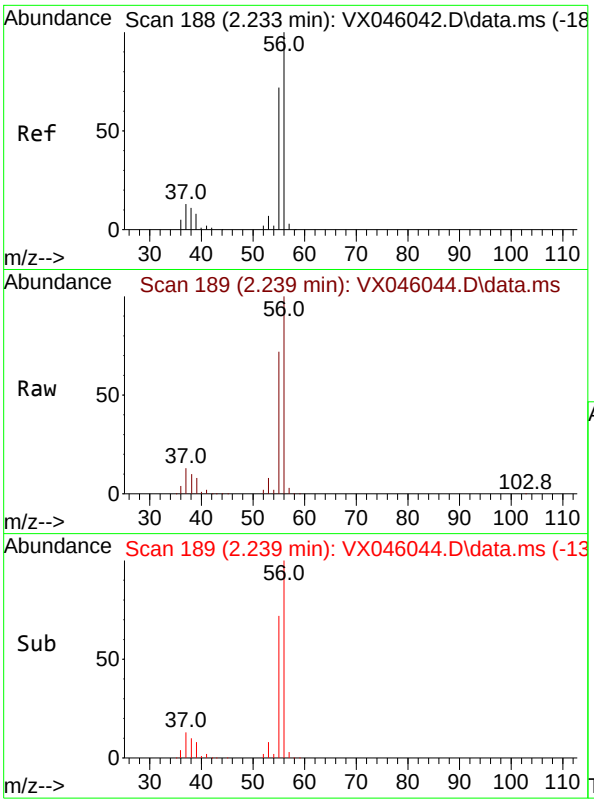


#12
1,1-Dichloroethene
Concen: 111.039 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

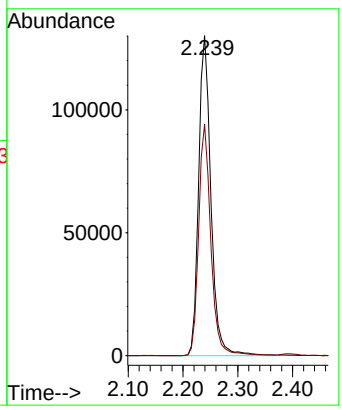




#13
Acrolein
Concen: 594.872 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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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Reviewed By :John Carlone 05/06/2025
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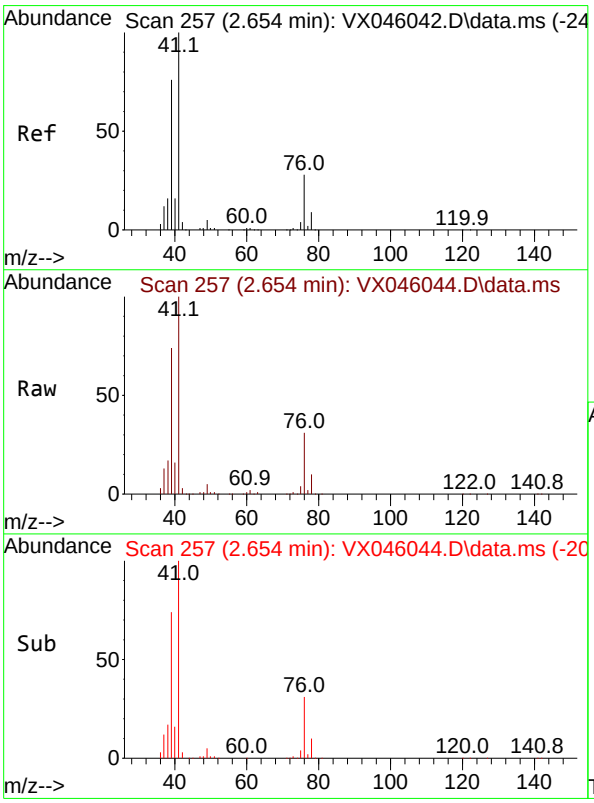
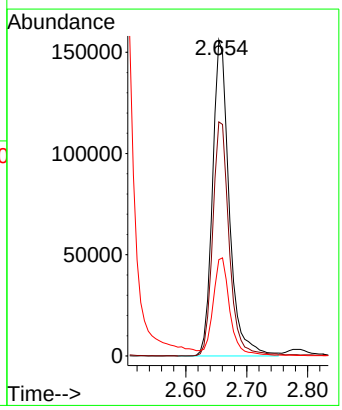
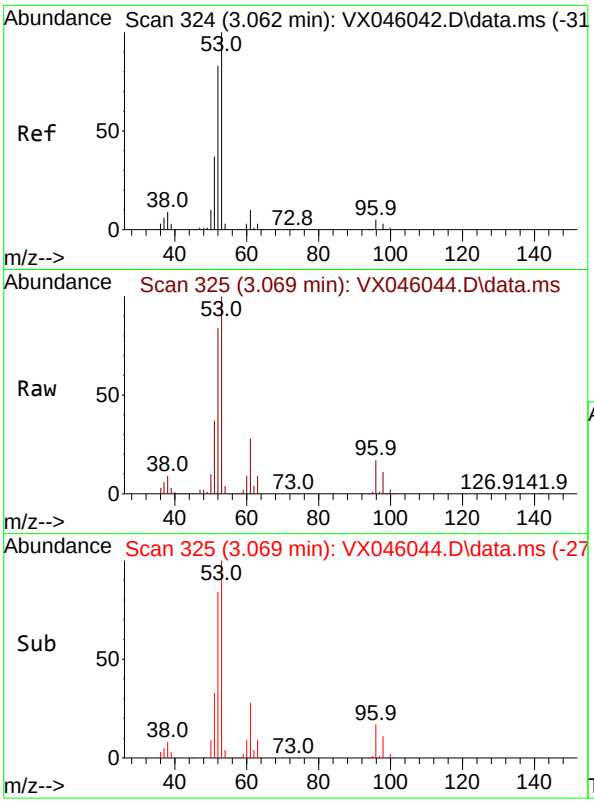


#14
Allyl chloride
Concen: 112.561 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

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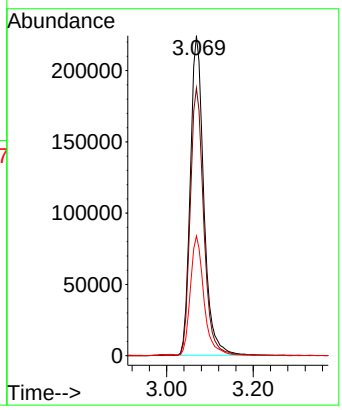
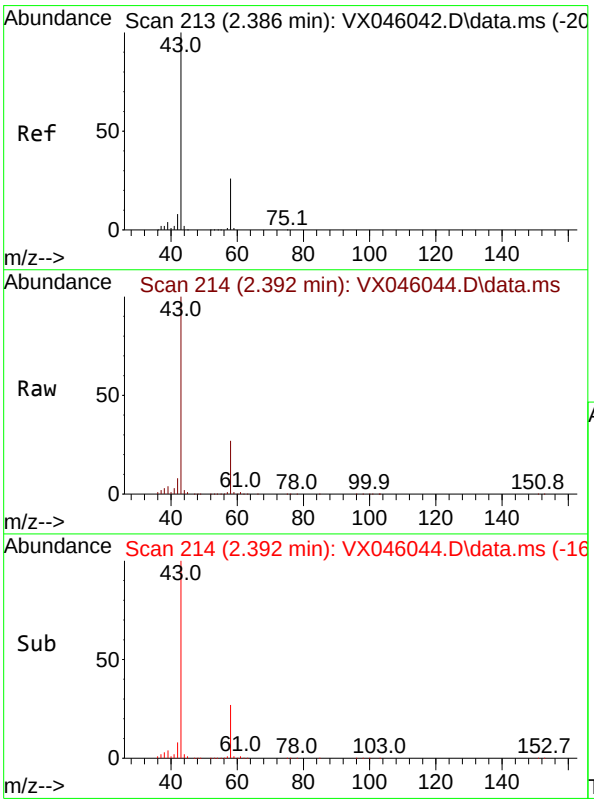
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

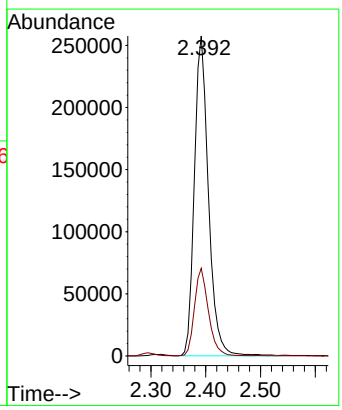


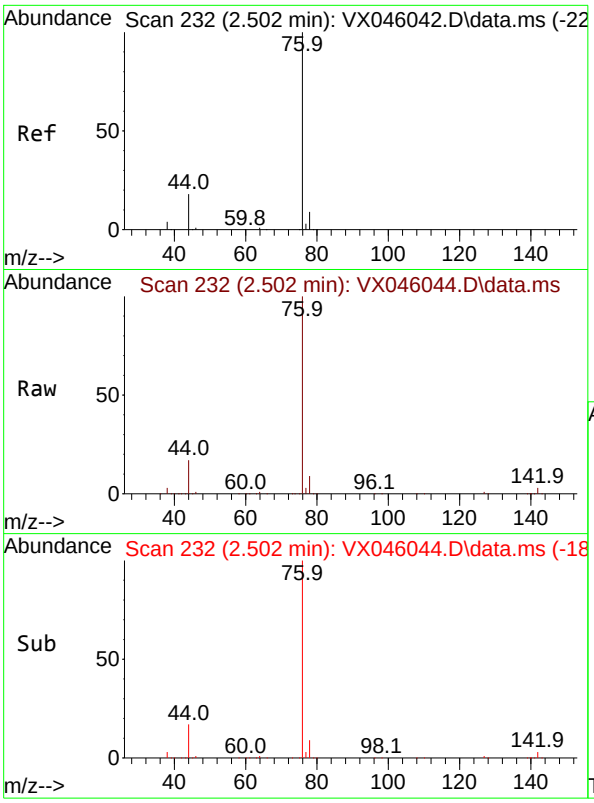


#16
Acetone
Concen: 545.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 460820

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8

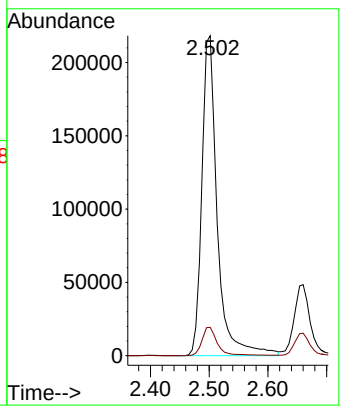




#17
Carbon Disulfide
Concen: 122.499 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 76 Resp: 39735

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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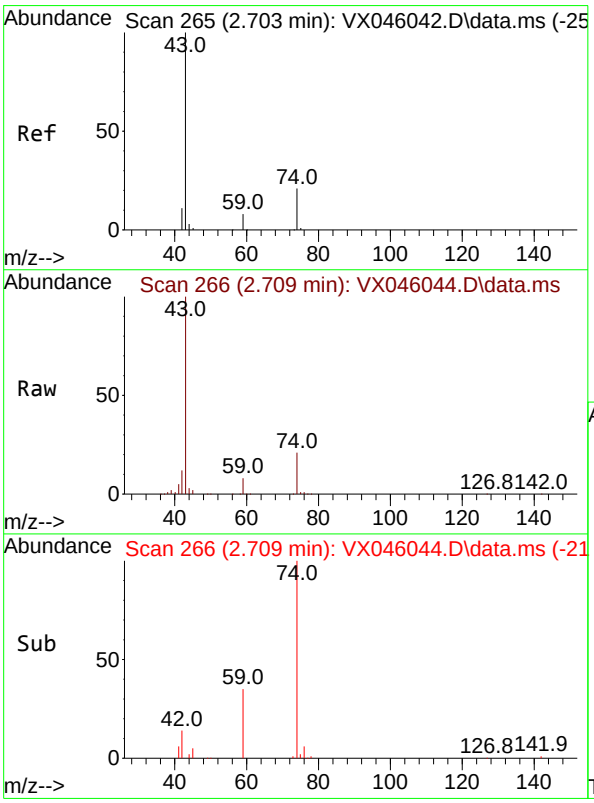
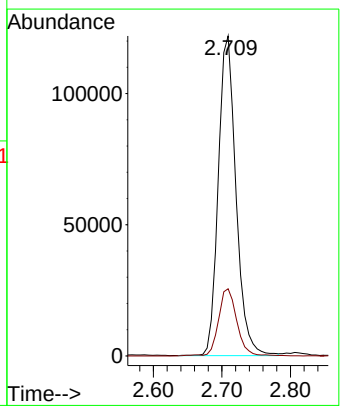
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

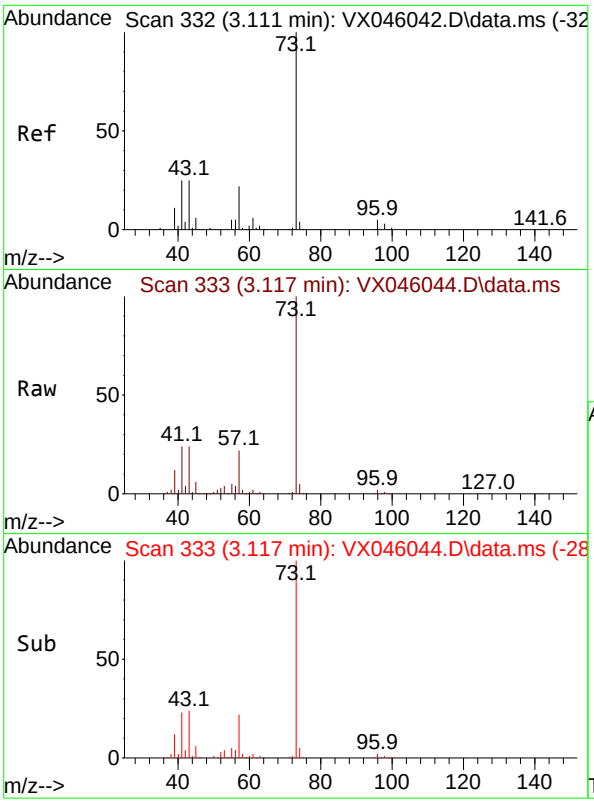


#18
Methyl Acetate
Concen: 108.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 217885

Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.7	25.1

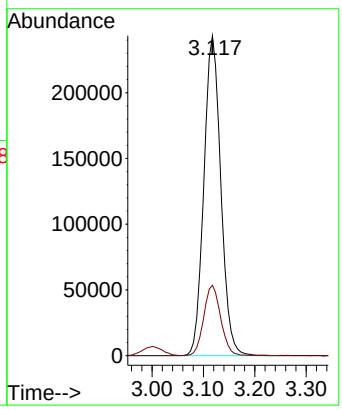




#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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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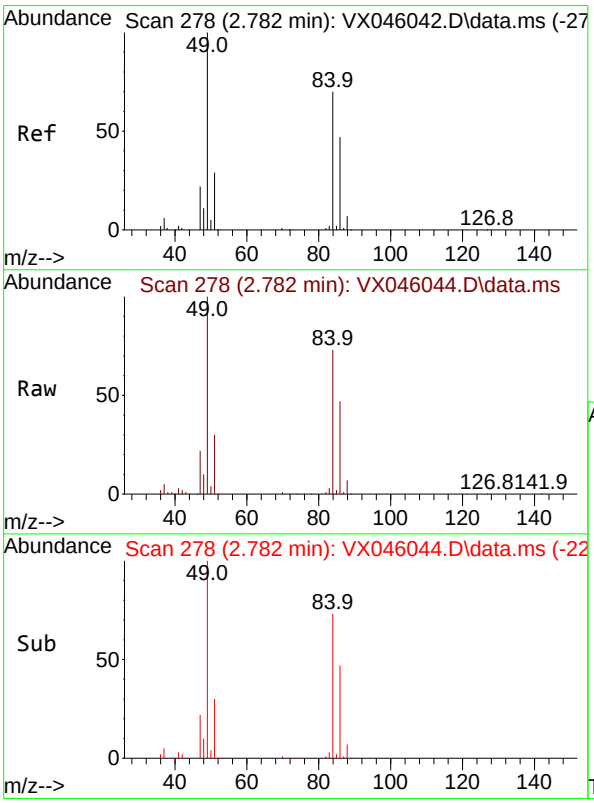
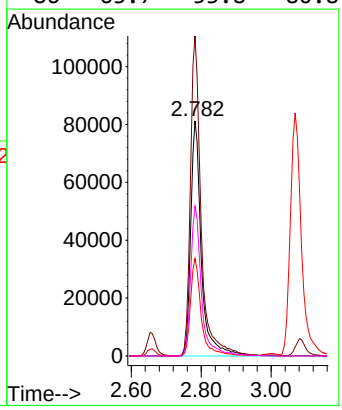
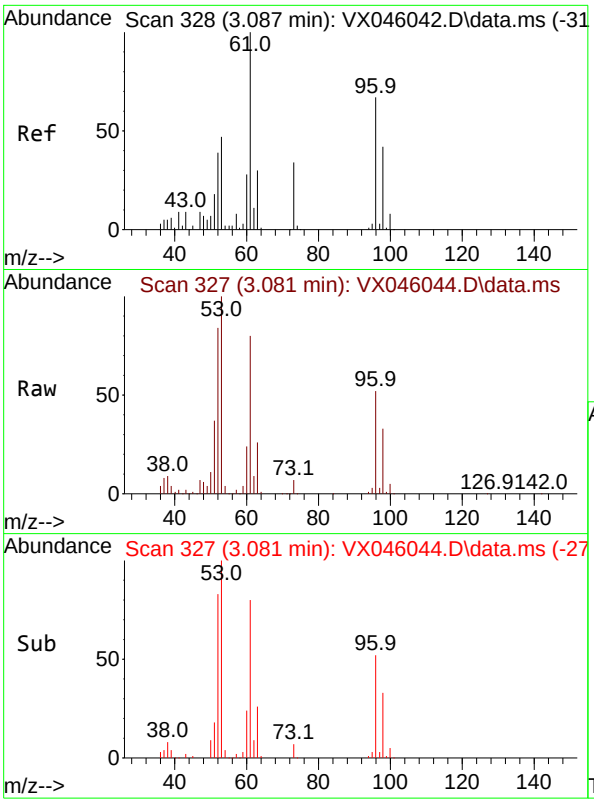


#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

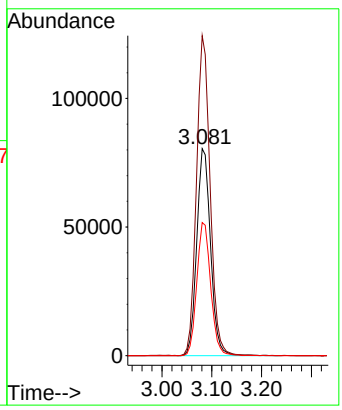




#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
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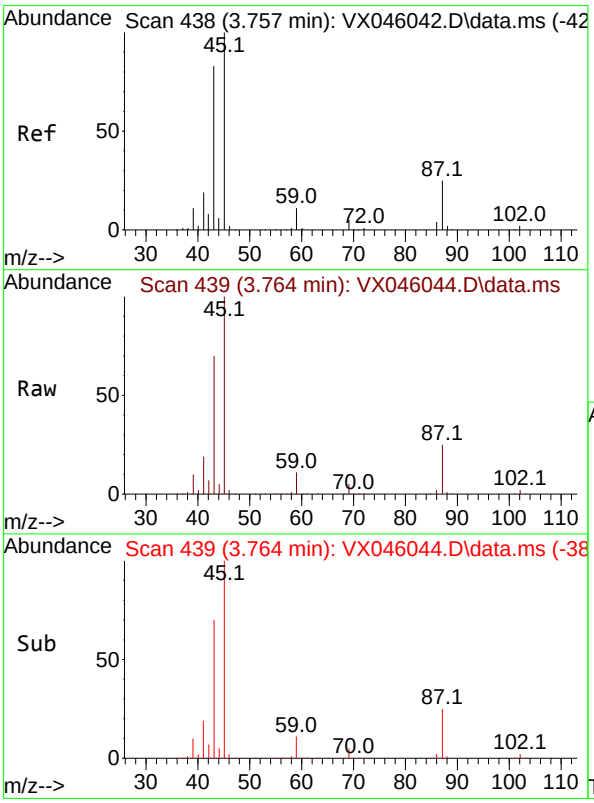
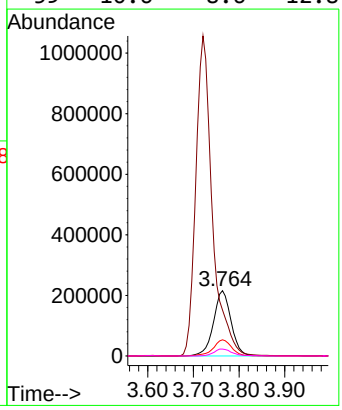
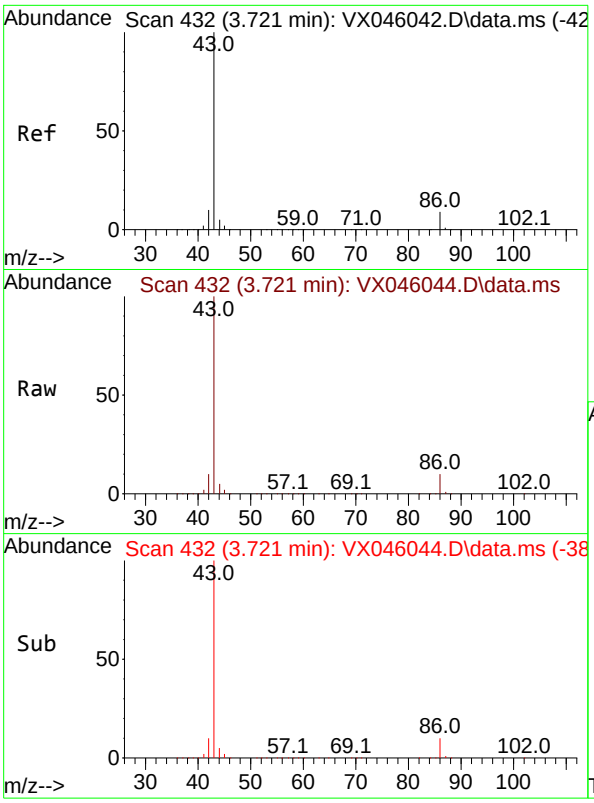


#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

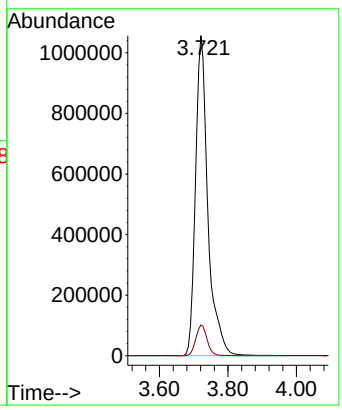




#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 265575

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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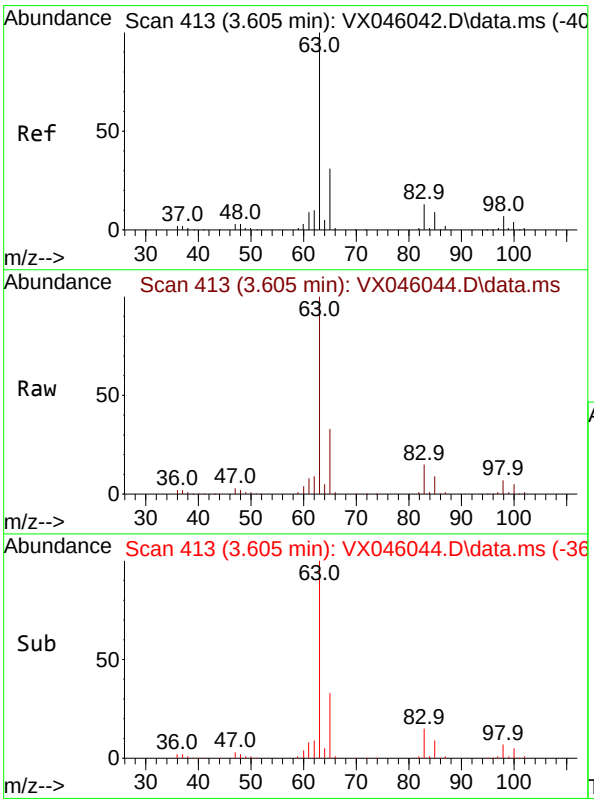
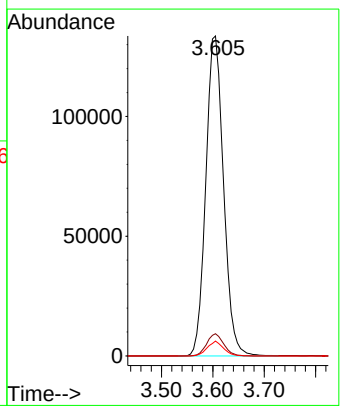
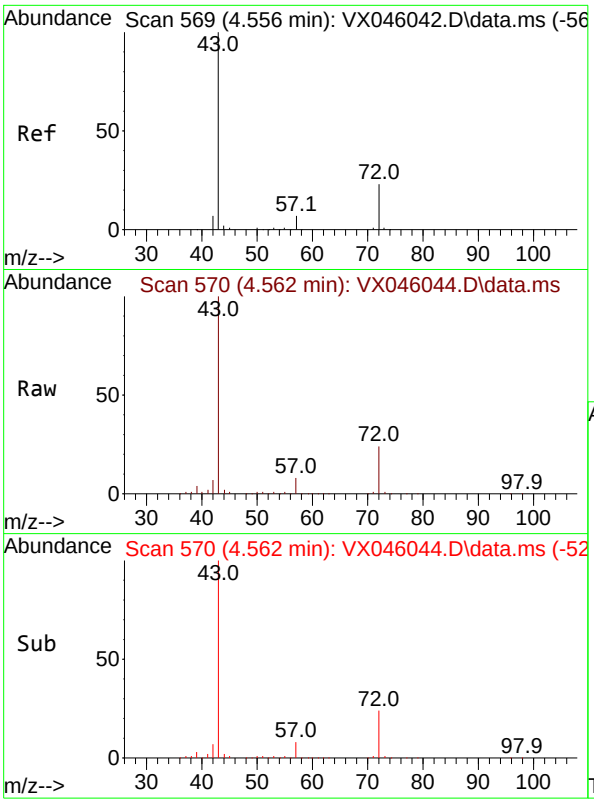


#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

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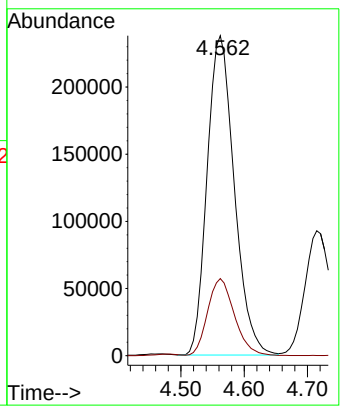
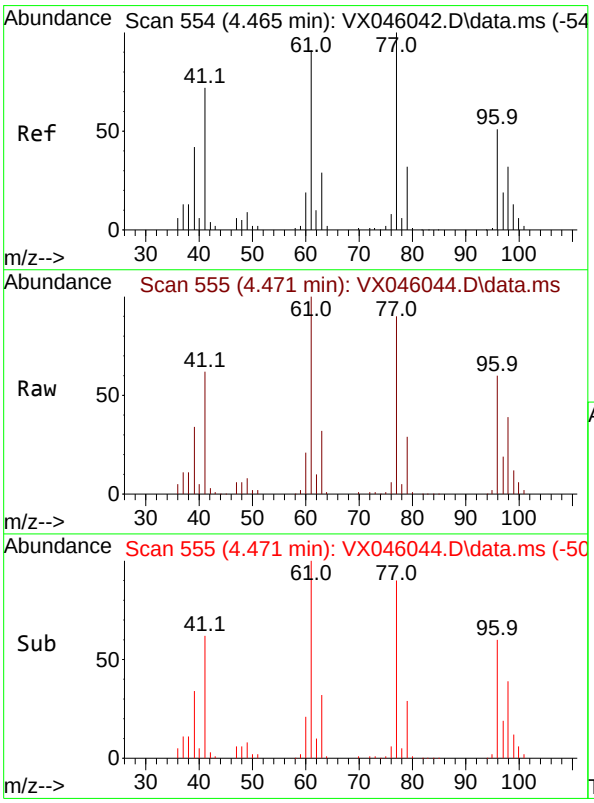
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

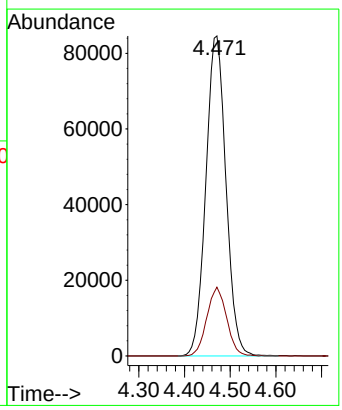


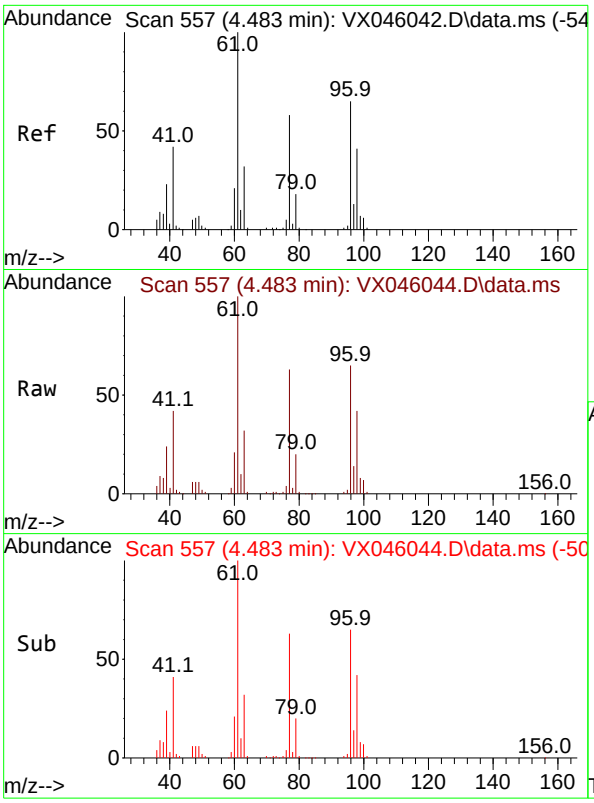


#26
2,2-Dichloropropane
Concen: 117.548 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

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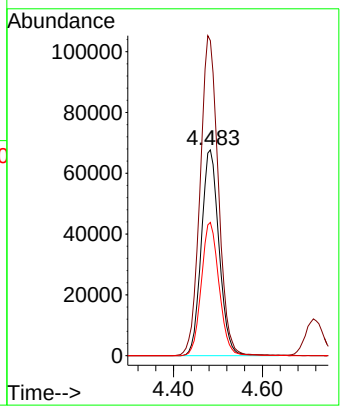
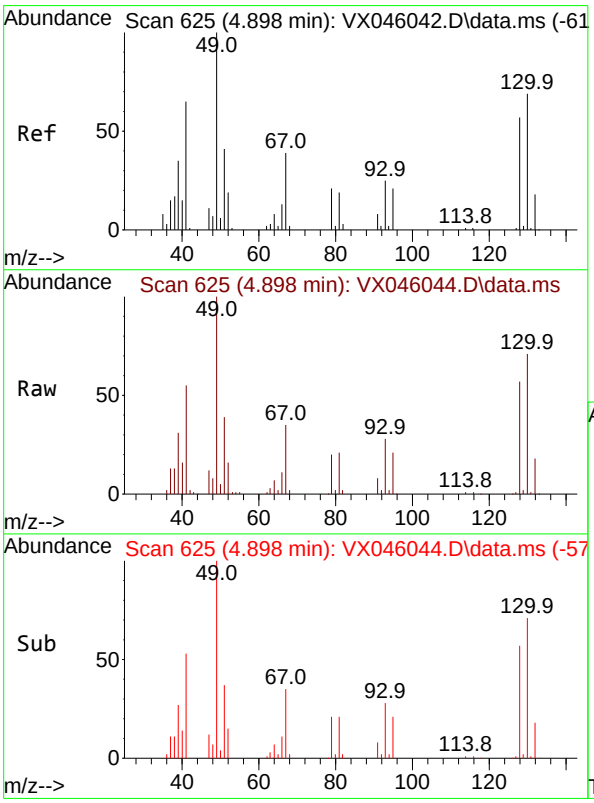
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

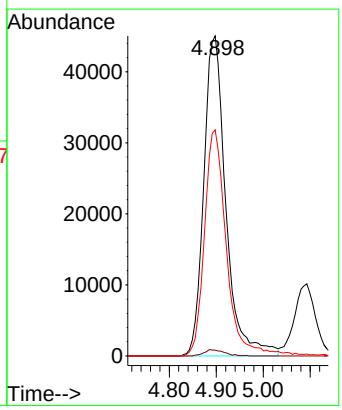


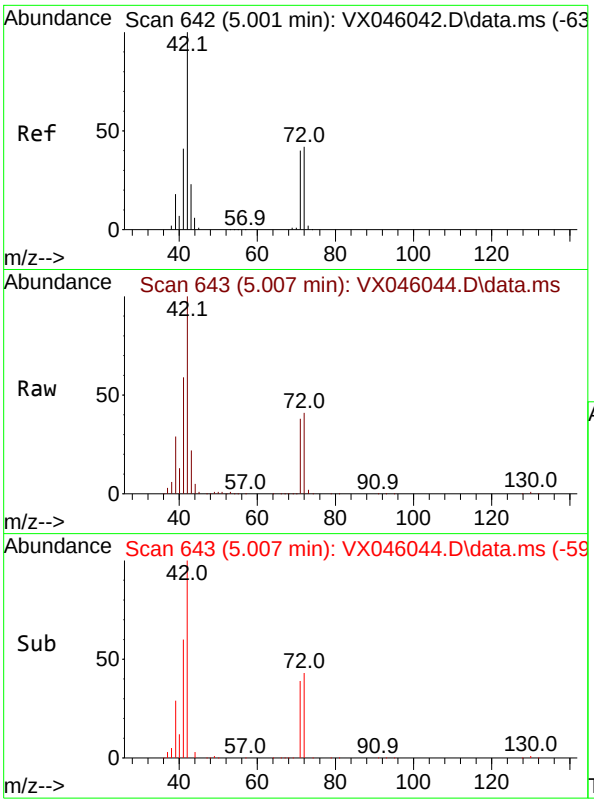


#28
Bromochloromethane
Concen: 95.108 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

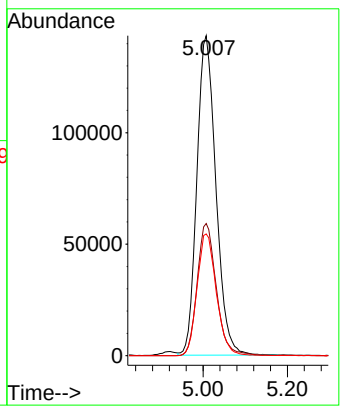




#29
Tetrahydrofuran
Concen: 569.081 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

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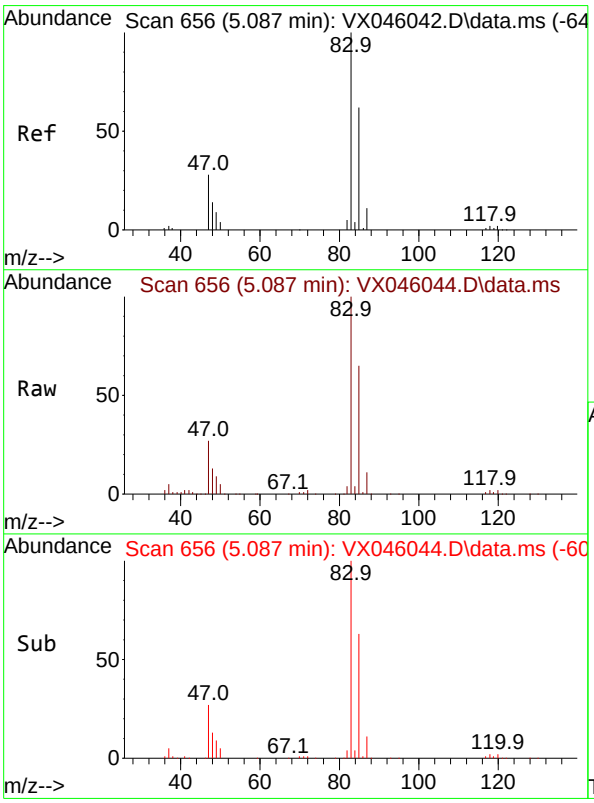
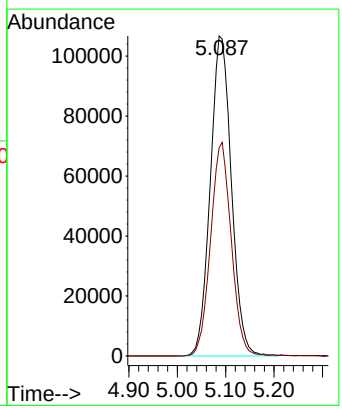
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

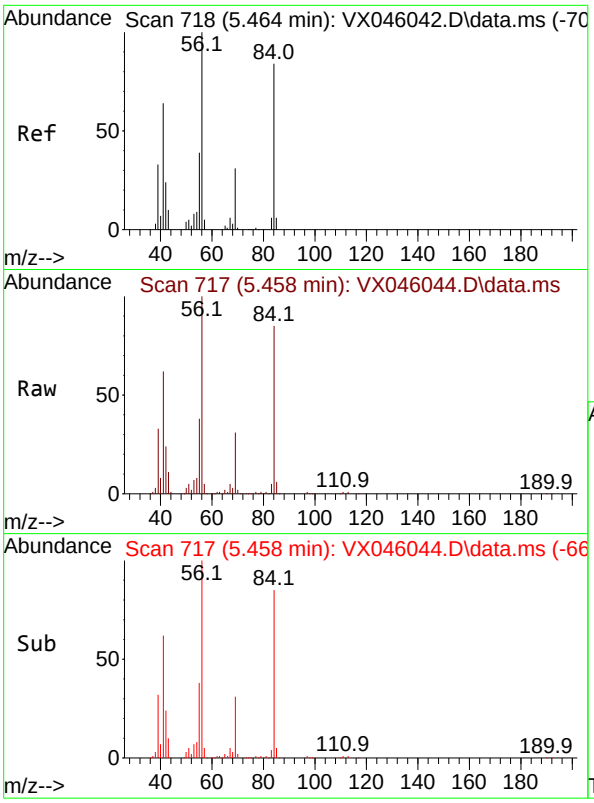


#30
Chloroform
Concen: 107.208 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 323659

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9

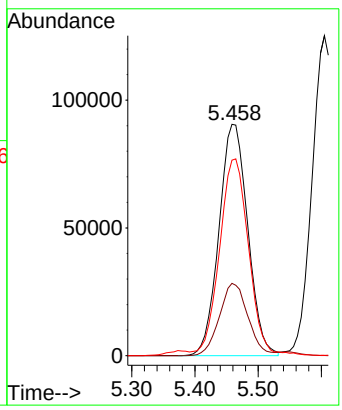




#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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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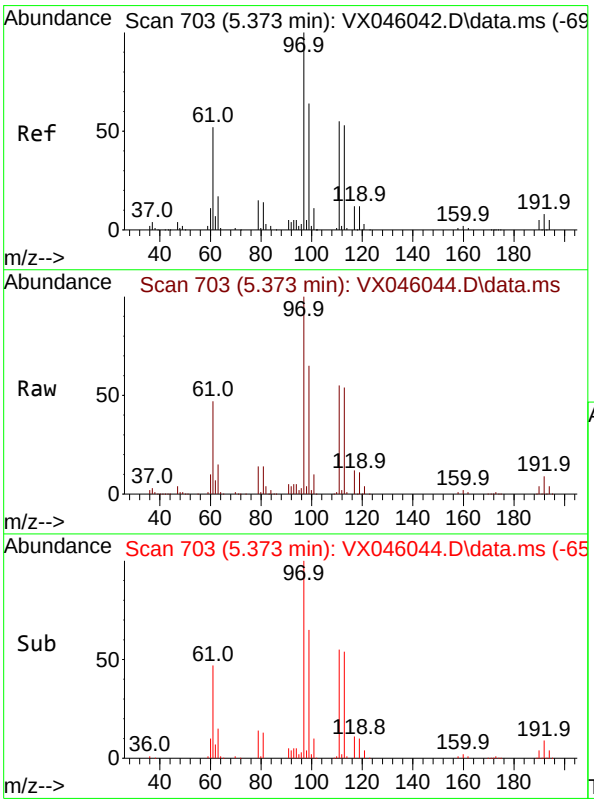
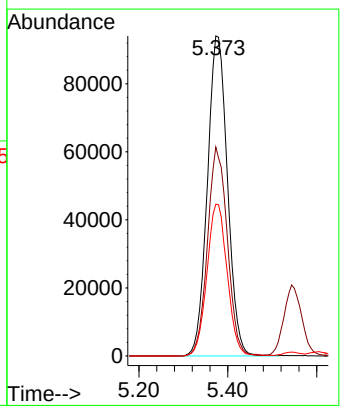
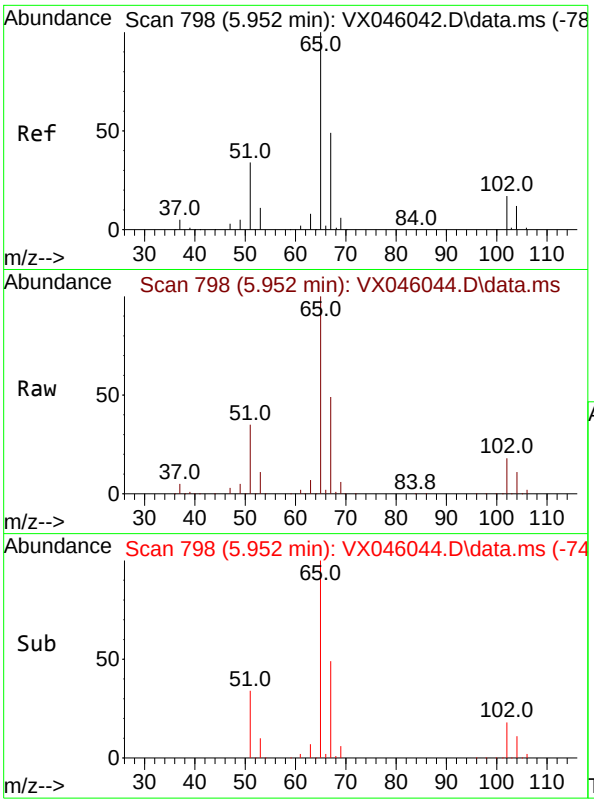


#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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 :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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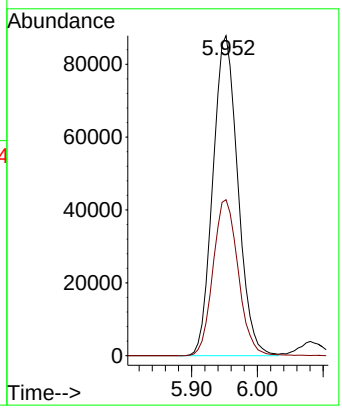
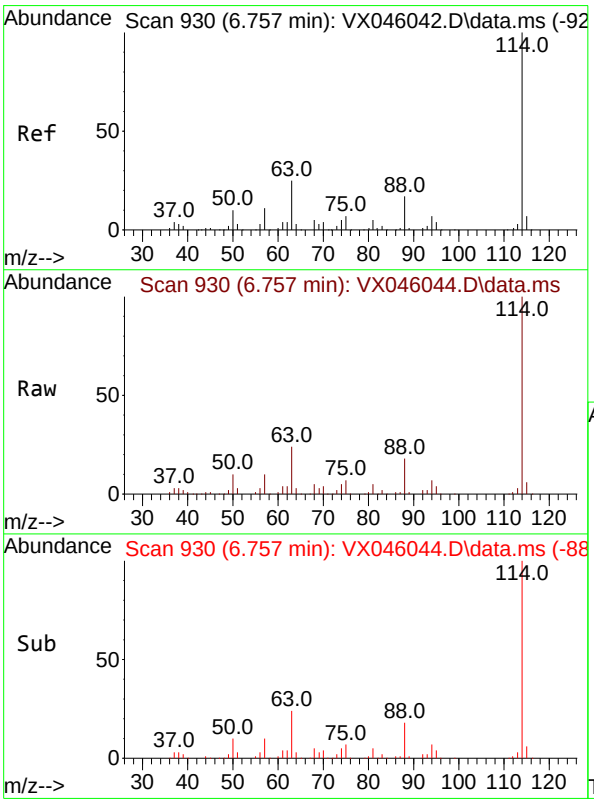
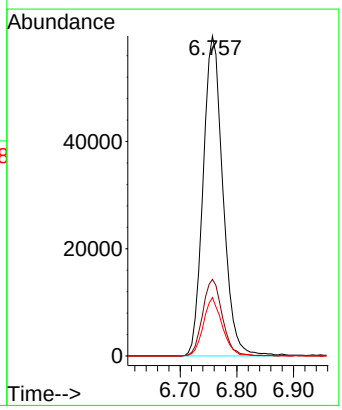


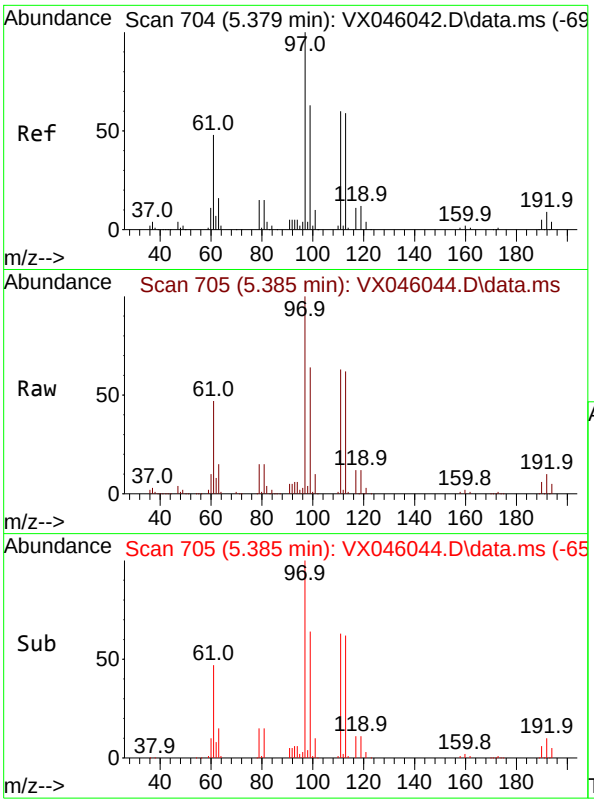


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

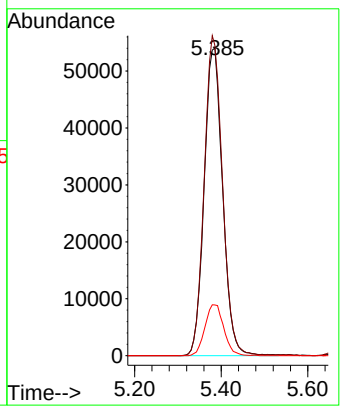




#35
Dibromofluoromethane
Concen: 98.562 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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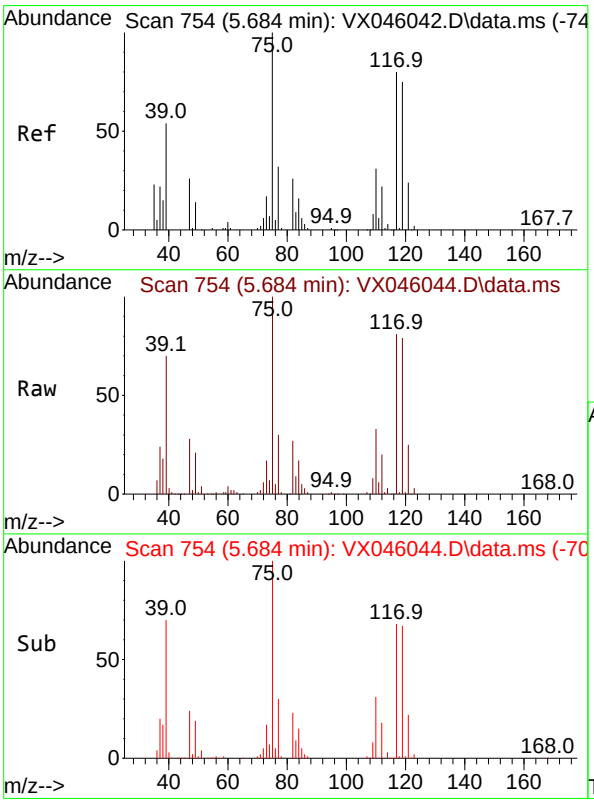
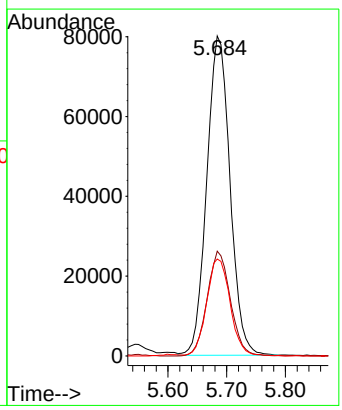
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

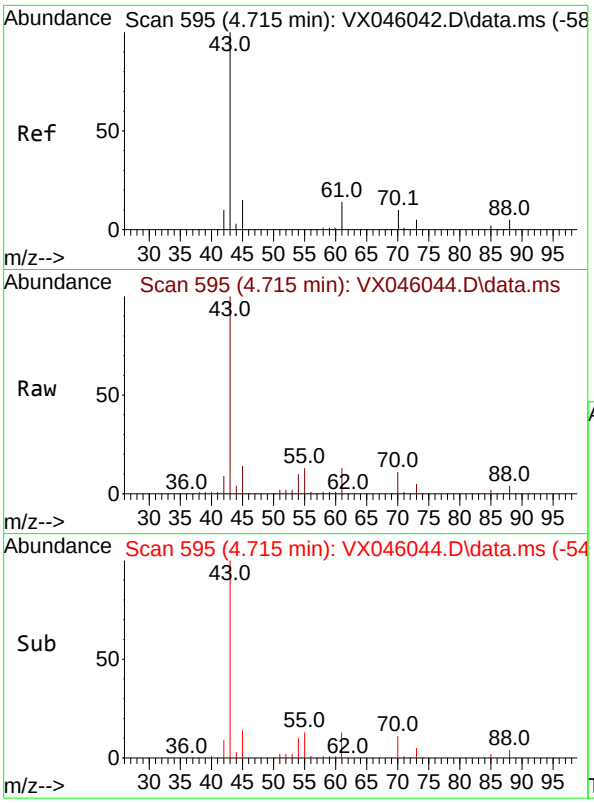


#36
1,1-Dichloropropene
Concen: 116.462 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

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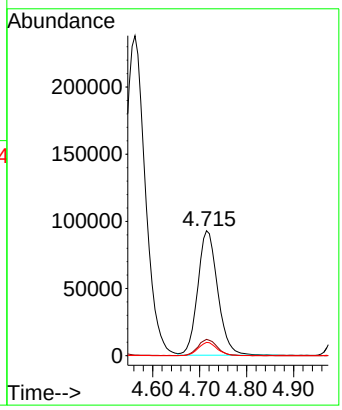
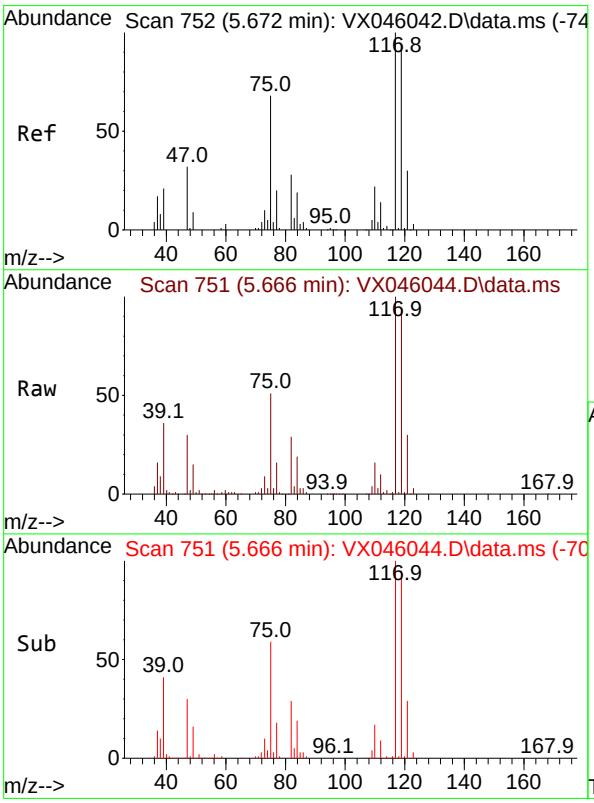
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

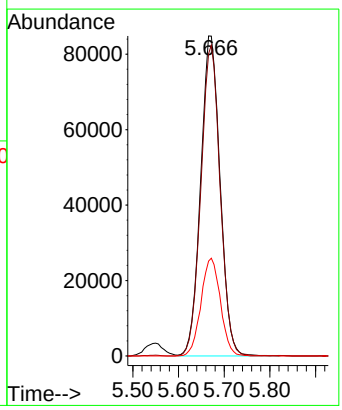


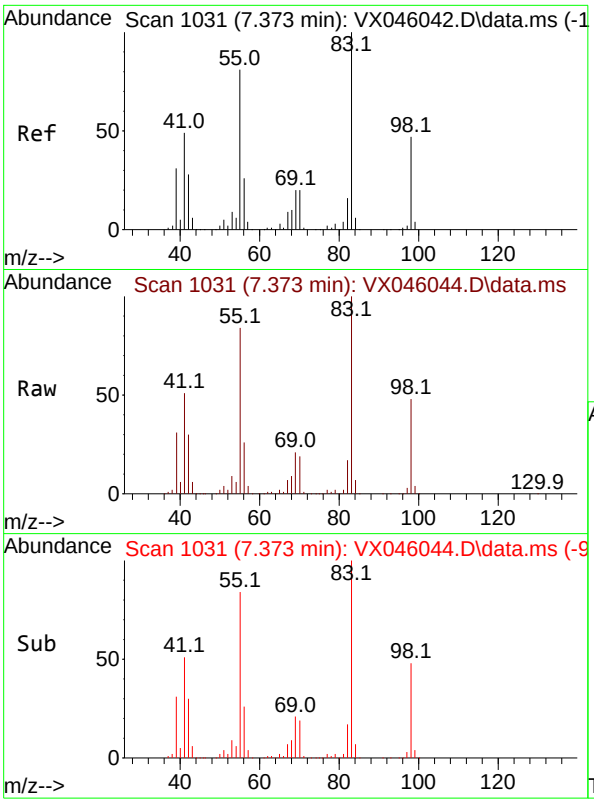


#38
Carbon Tetrachloride
Concen: 115.760 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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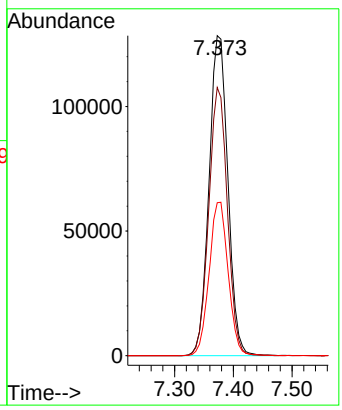
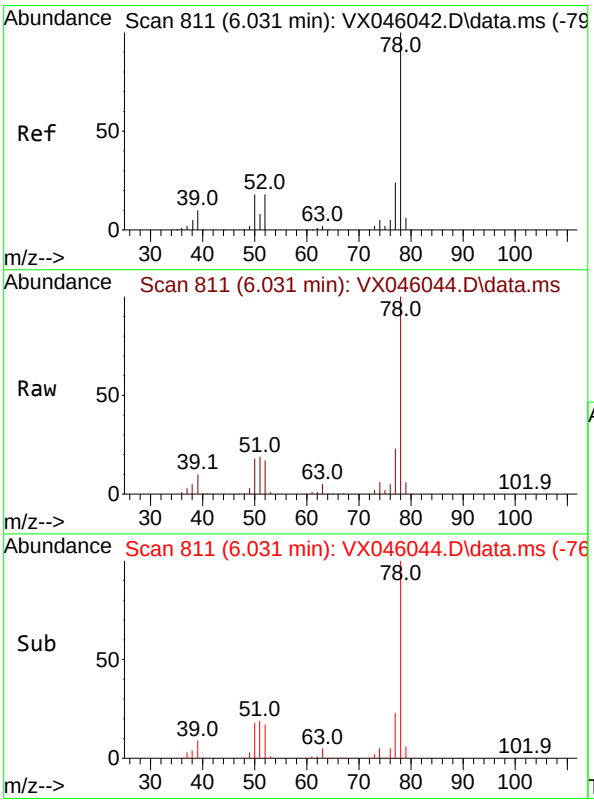
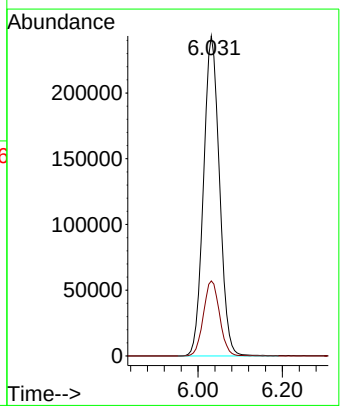


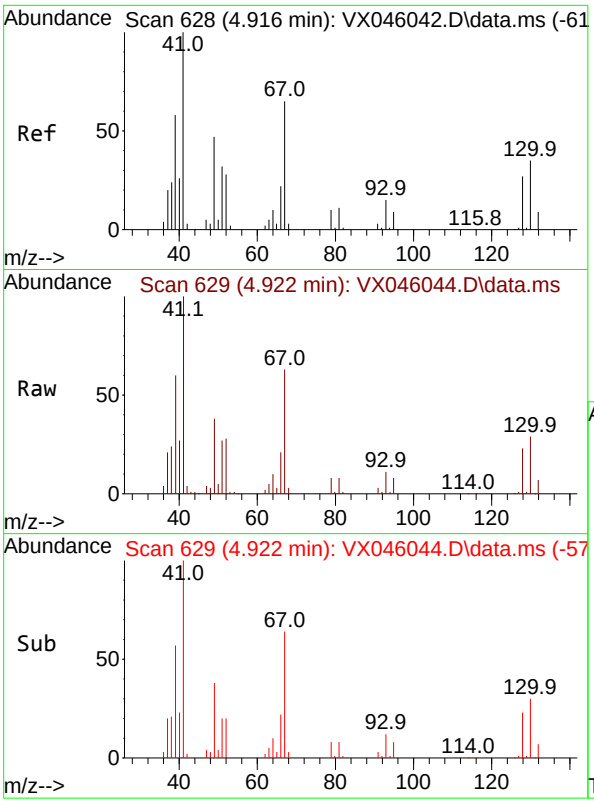


#40
Benzene
Concen: 109.813 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 78 Resp: 642178

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

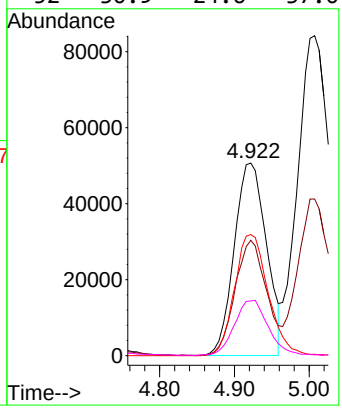




#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
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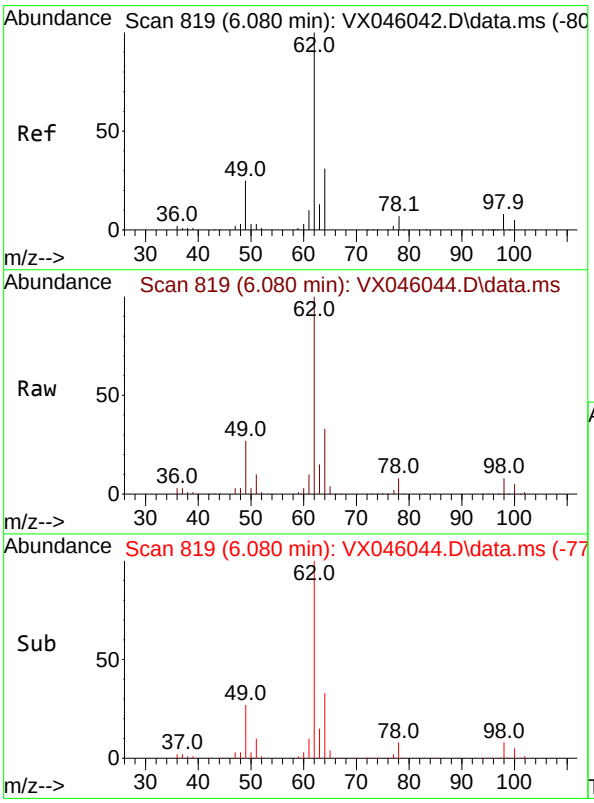
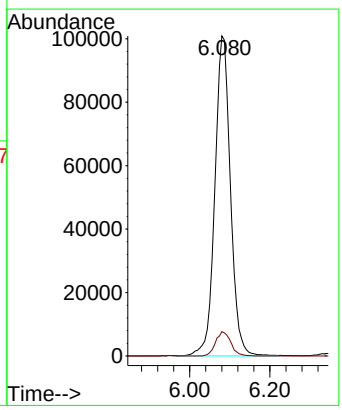
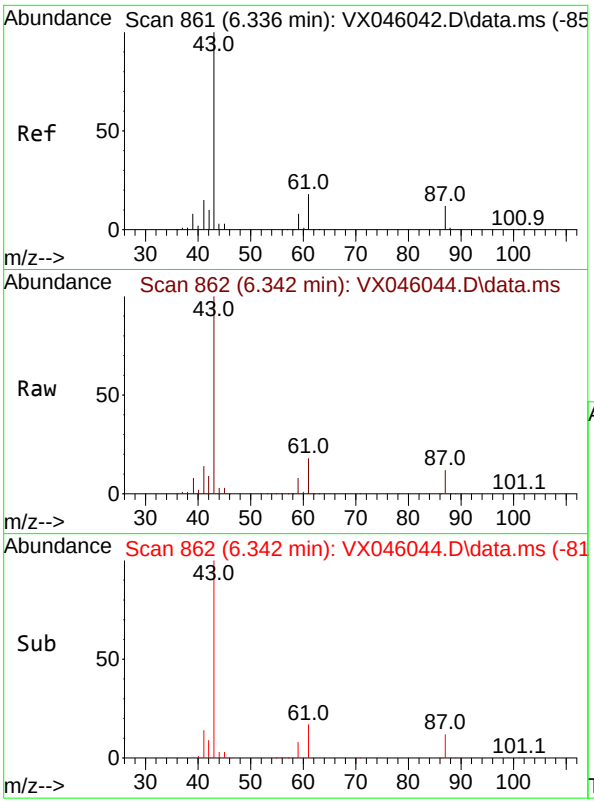


#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 271992

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

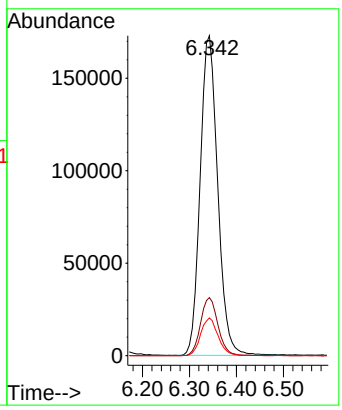




#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
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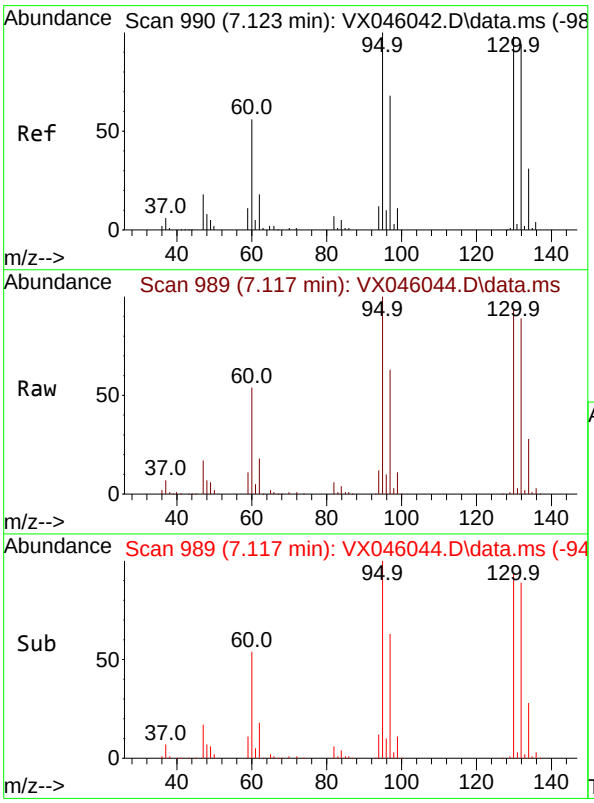
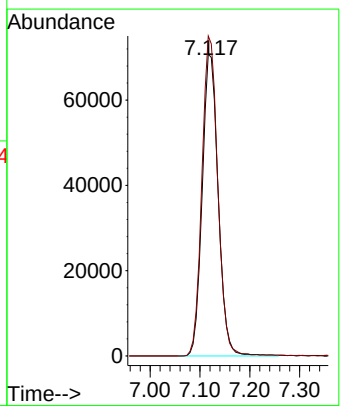
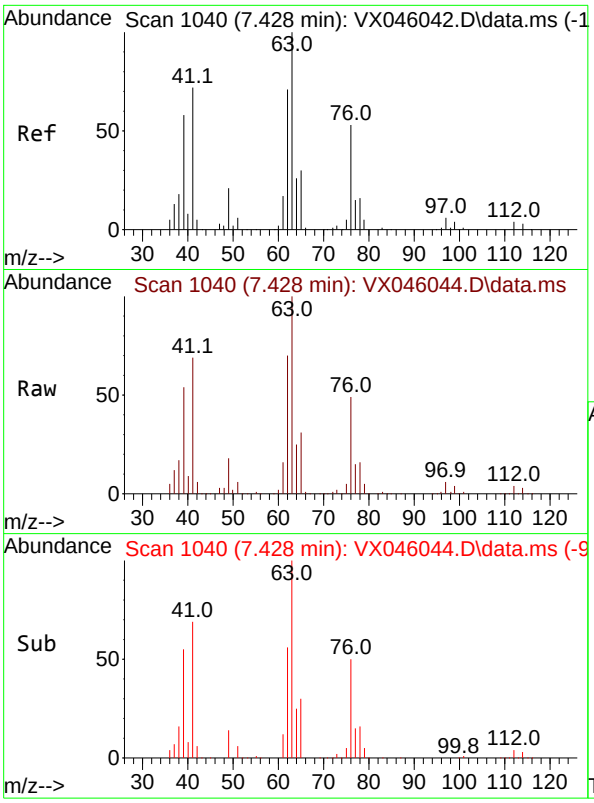


#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

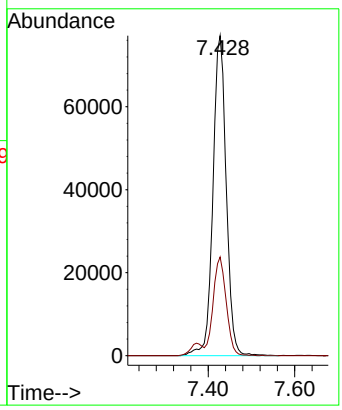
Tgt Ion: 63 Resp: 16450

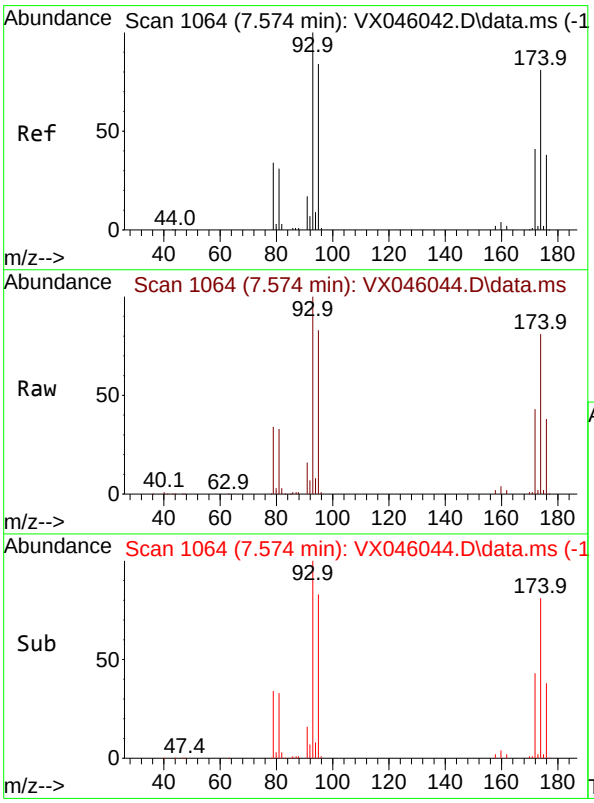
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

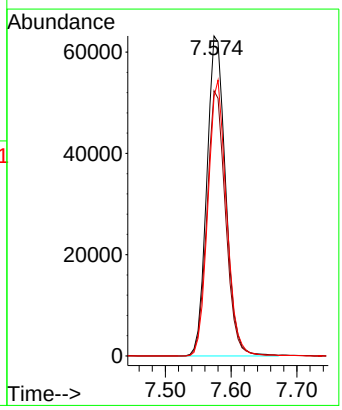


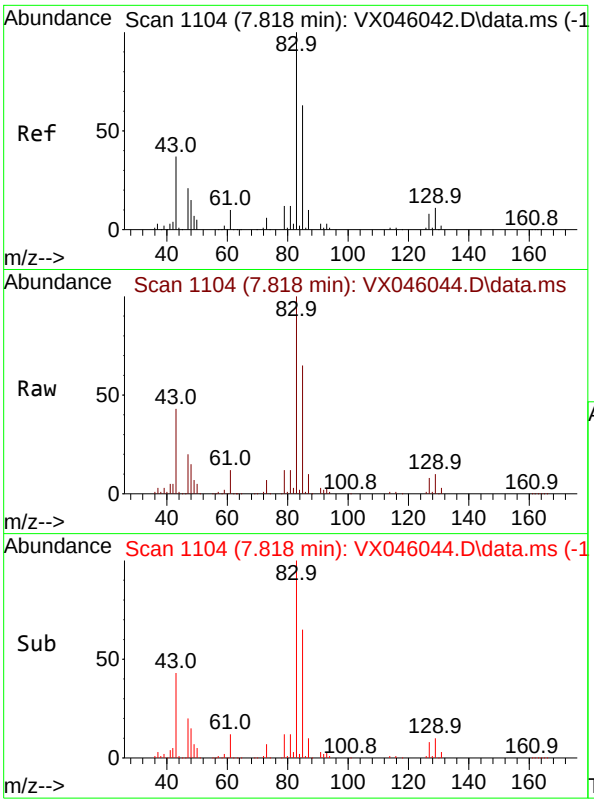


#46
Dibromomethane
Concen: 109.869 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

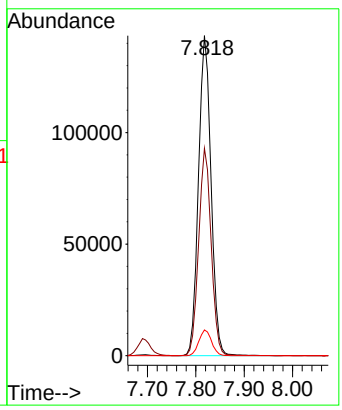




#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

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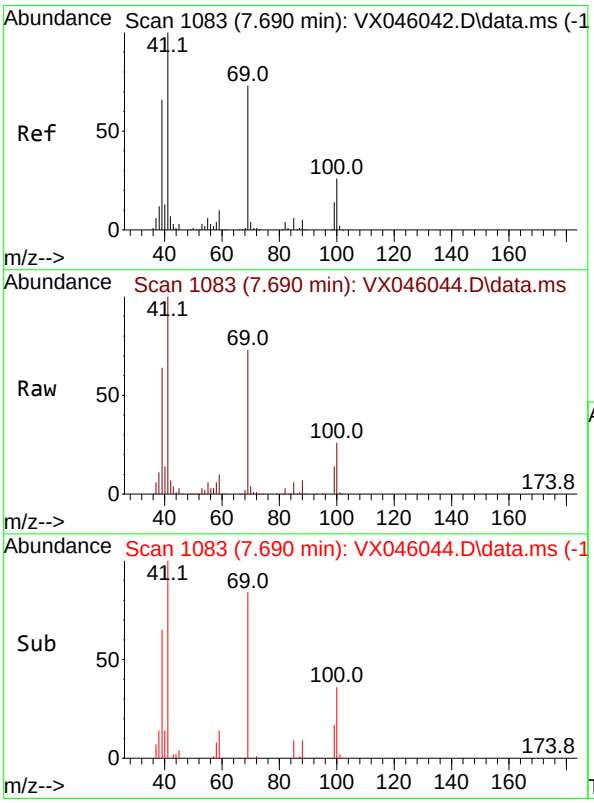
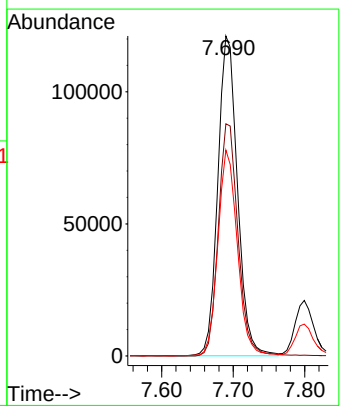
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

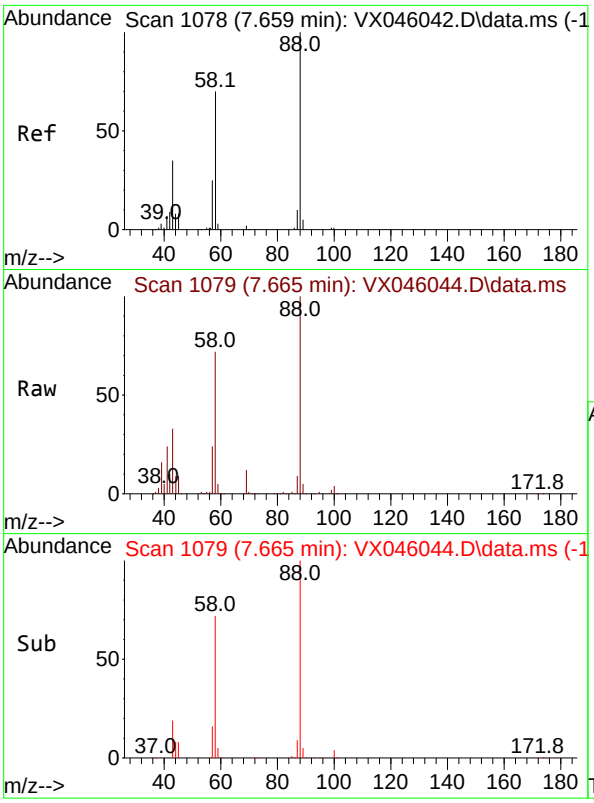


#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

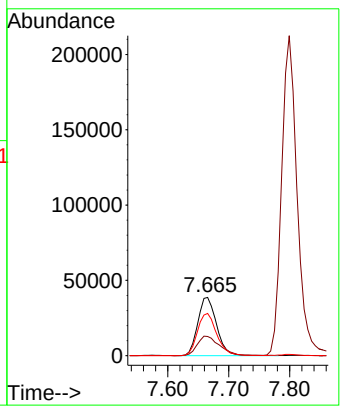




#49
1,4-Dioxane
Concen: 2241.695 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

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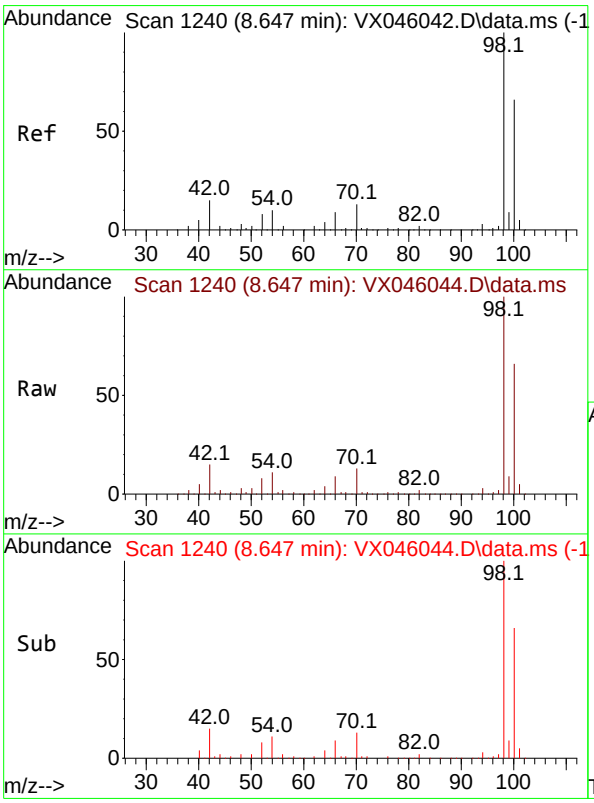
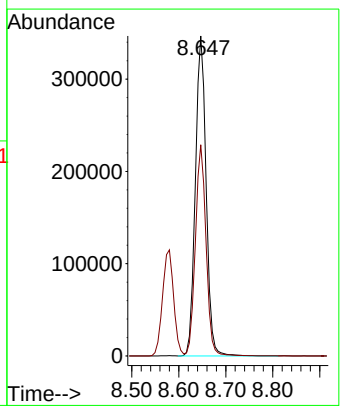
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

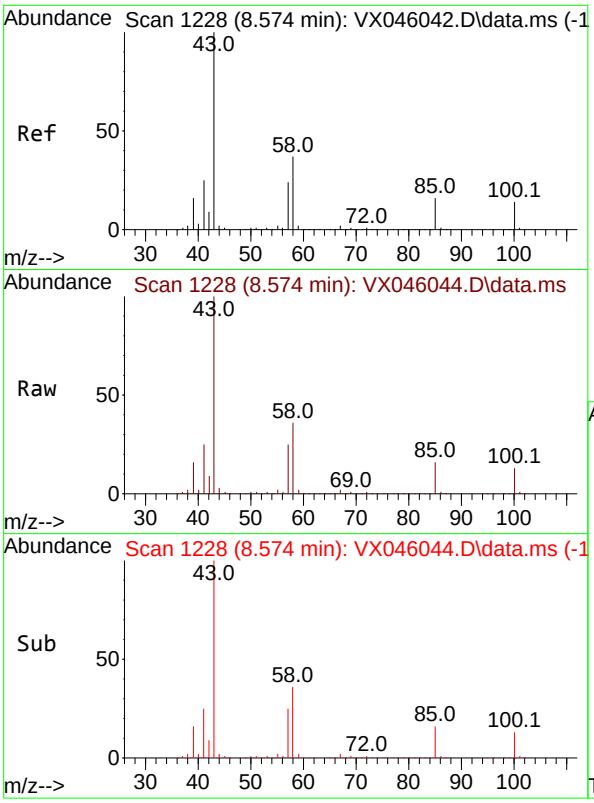


#50
Toluene-d8
Concen: 101.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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 :
MSVOA_X
ClientSampleId :
VSTDICC150

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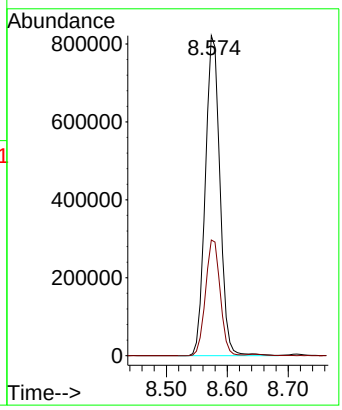
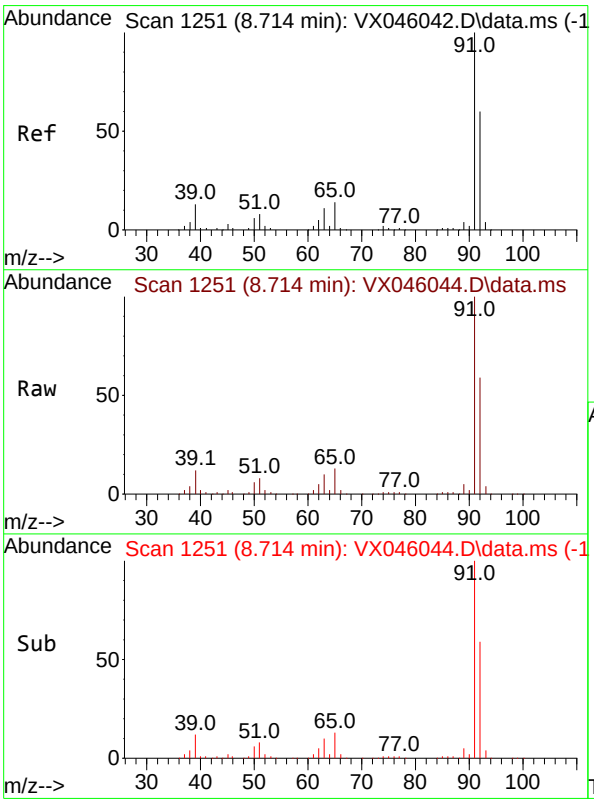
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

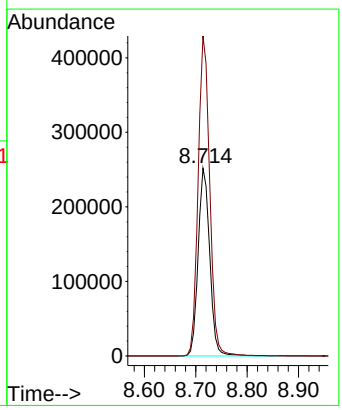


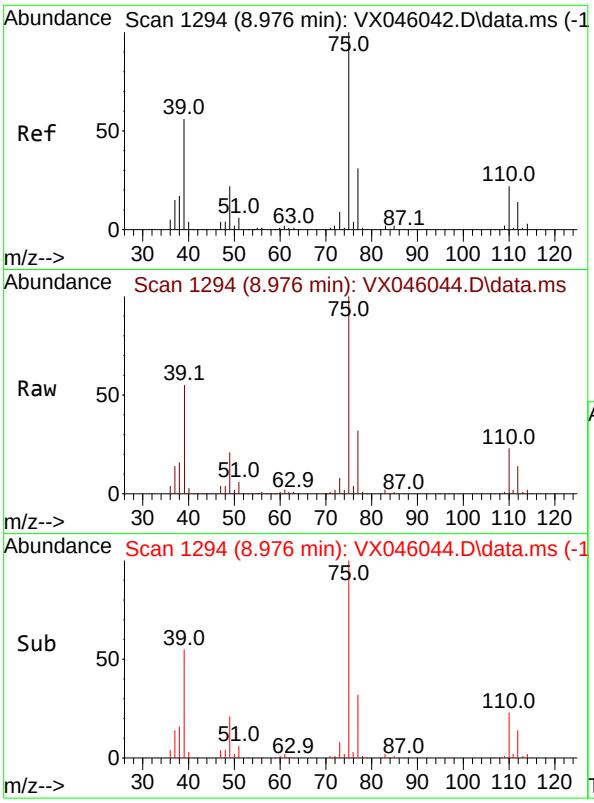


#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	205.0

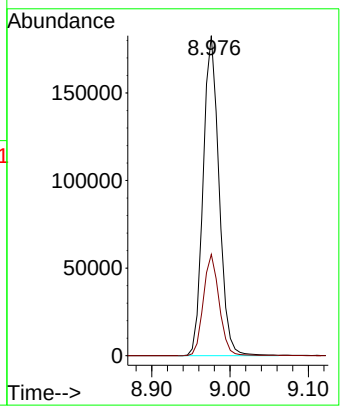




#53
t-1,3-Dichloropropene
Concen: 138.001 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 25723

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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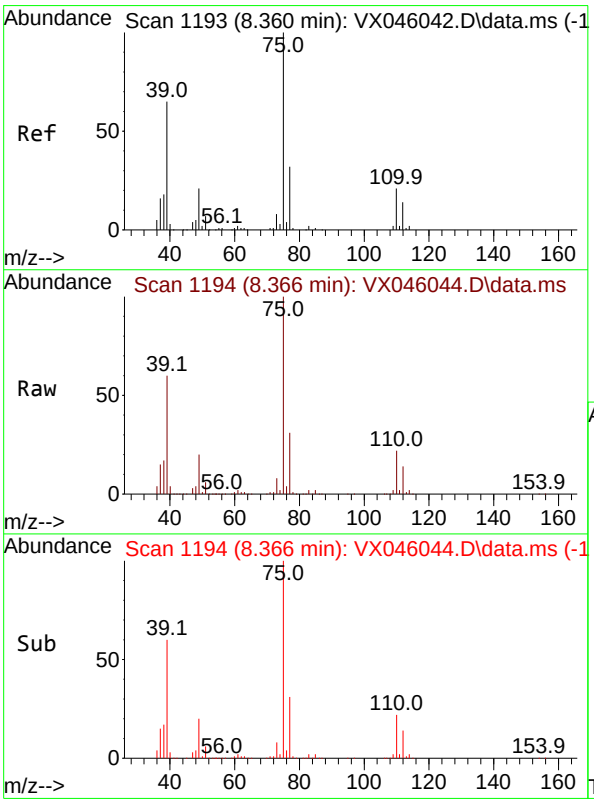
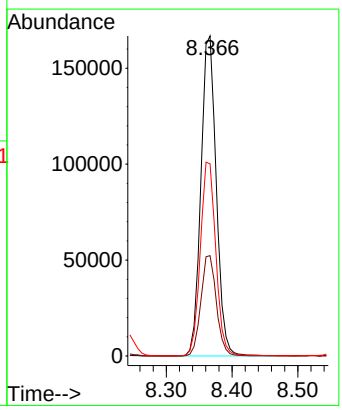
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

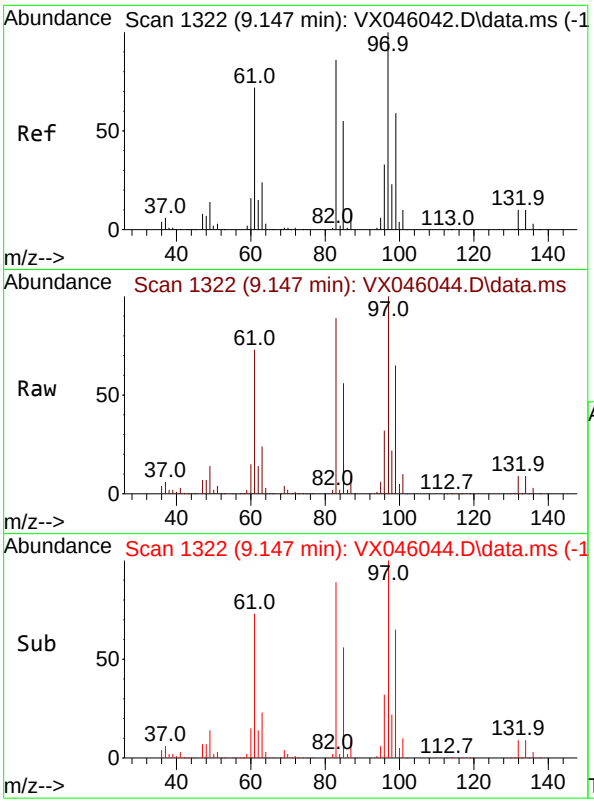


#54
cis-1,3-Dichloropropene
Concen: 124.658 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

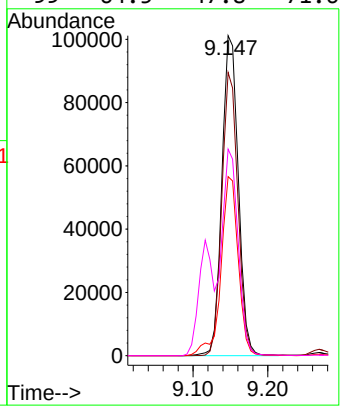




#55
1,1,2-Trichloroethane
Concen: 110.551 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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 :
VSTDICC150

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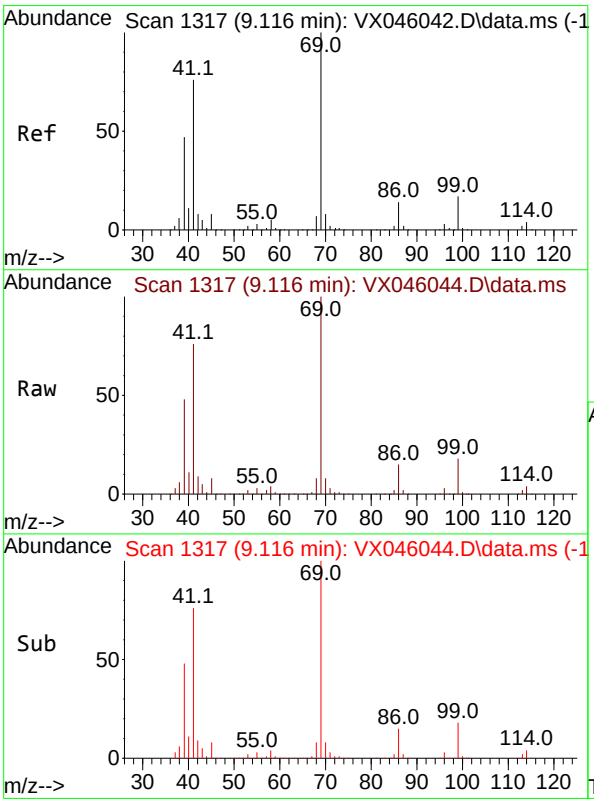
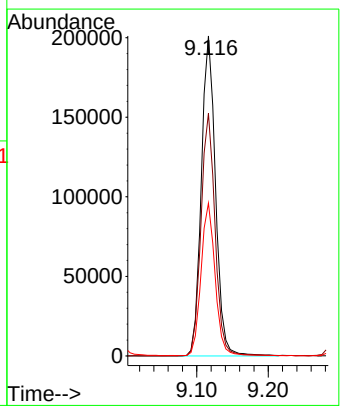
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

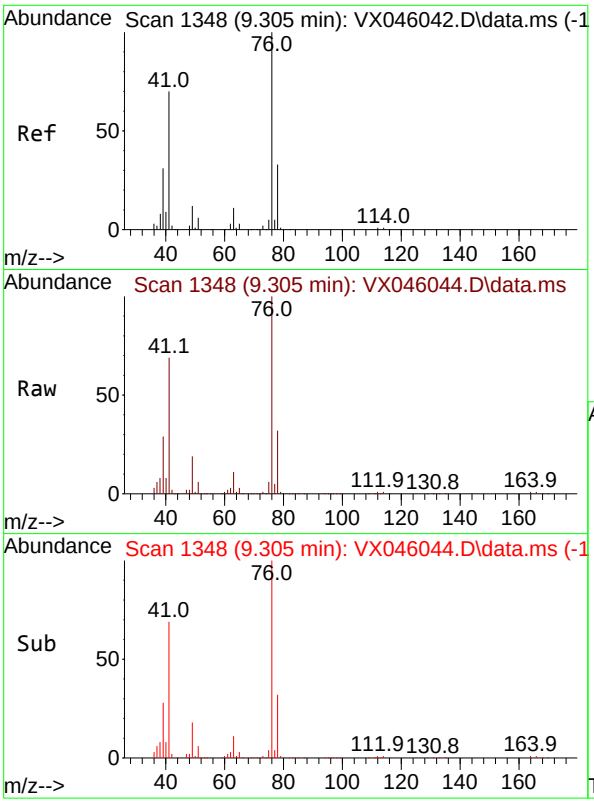


#56
Ethyl methacrylate
Concen: 127.968 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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 :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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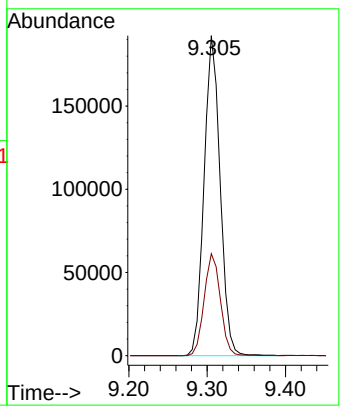
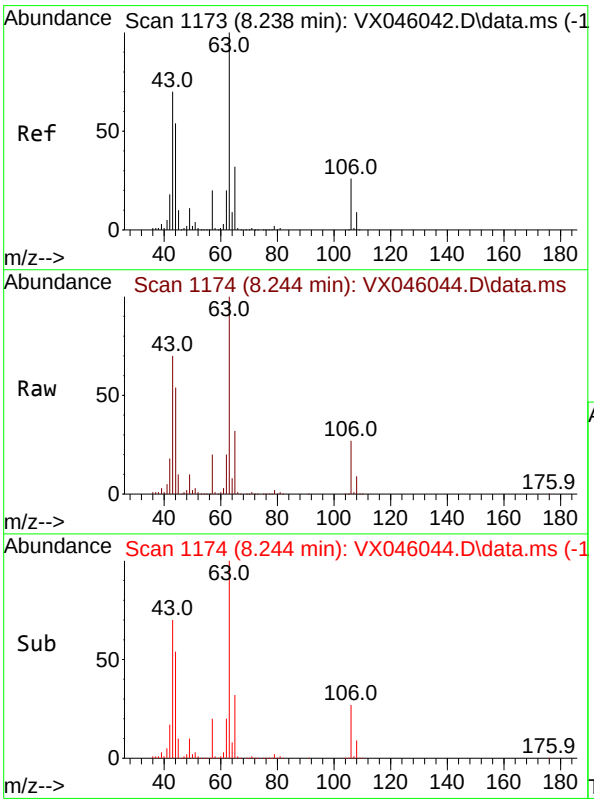
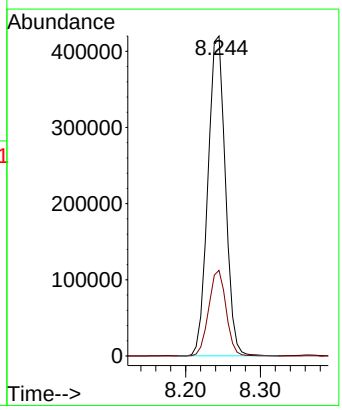


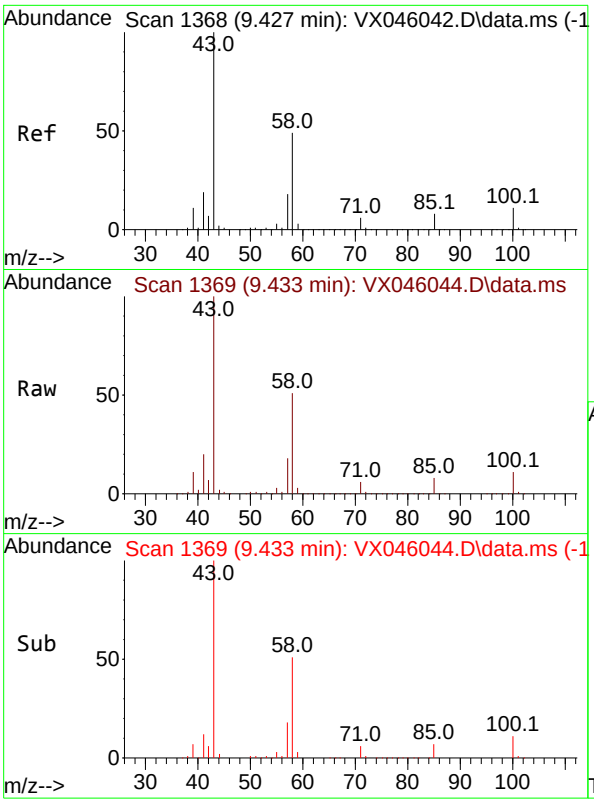


#58
2-Chloroethyl Vinyl ether
Concen: 697.344 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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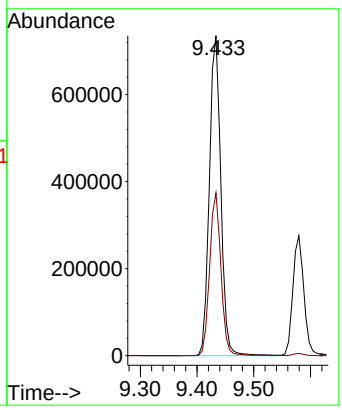
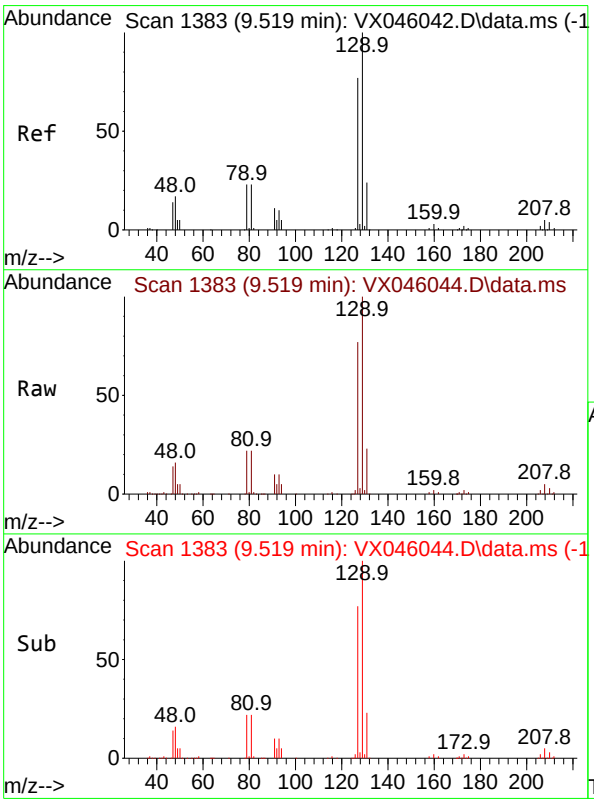
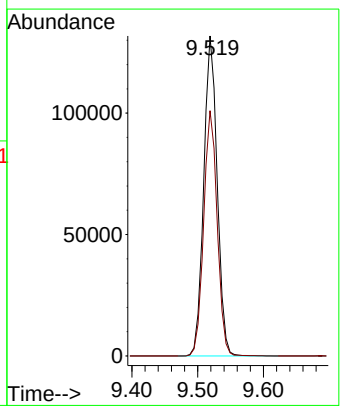


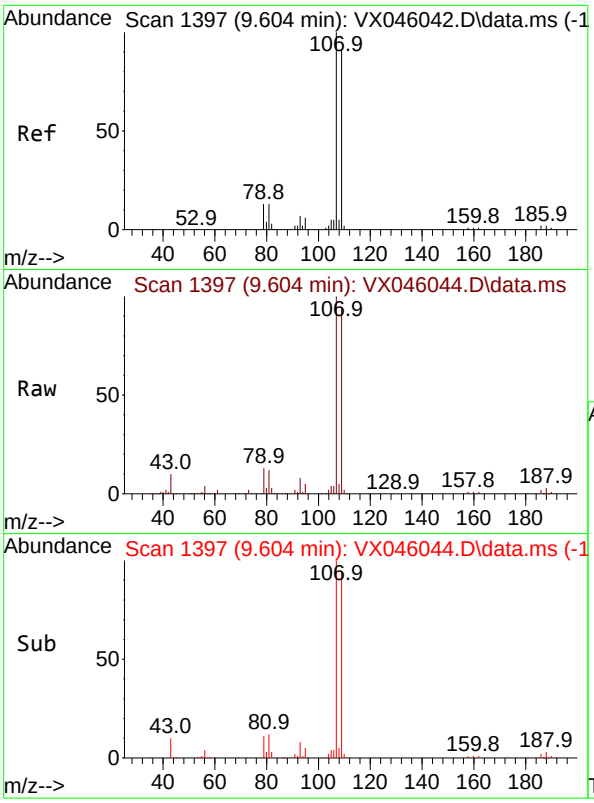


#60
Dibromochloromethane
Concen: 122.915 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:129 Resp: 187497

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8

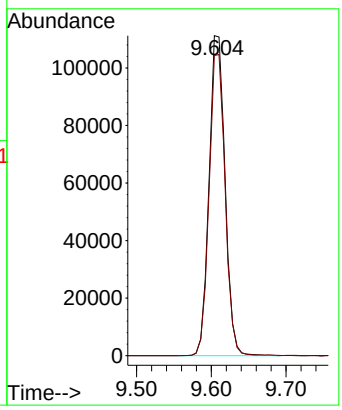




#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:107 Resp: 16563

Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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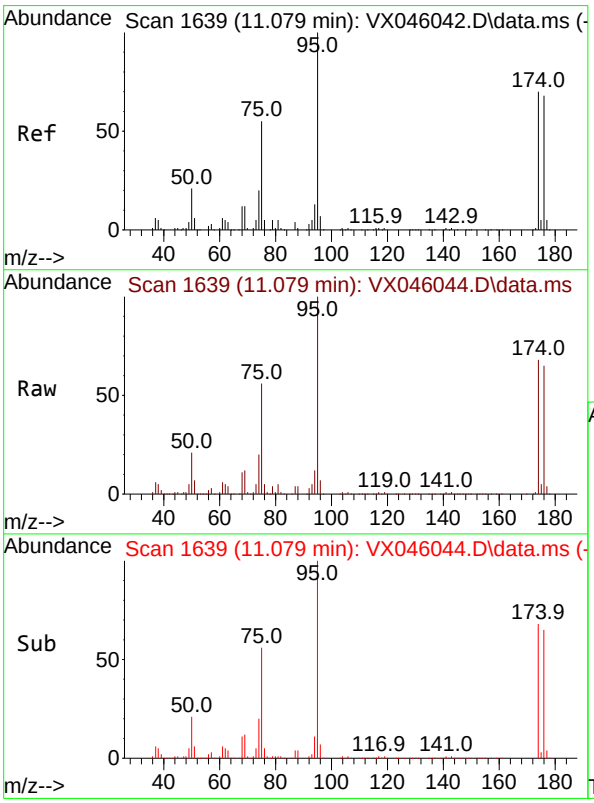
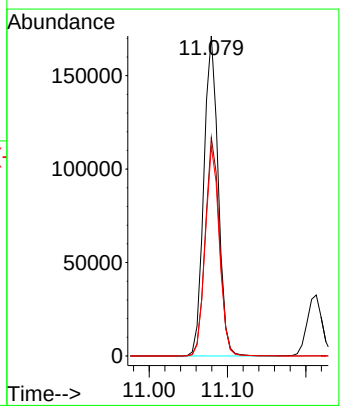
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

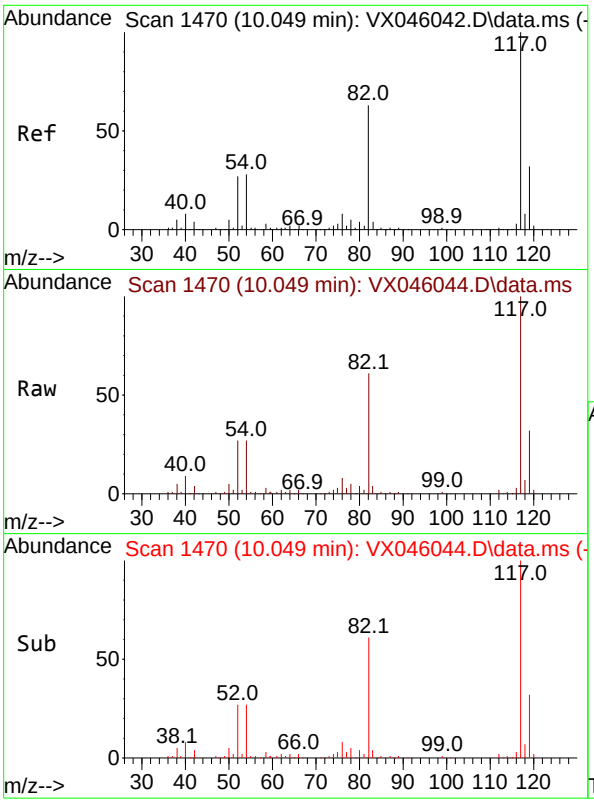


#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

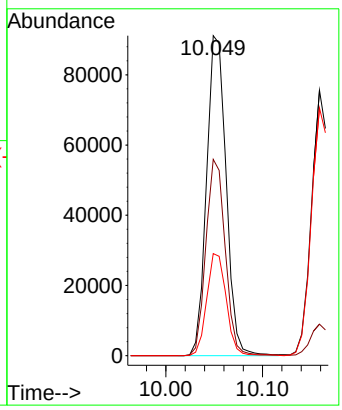




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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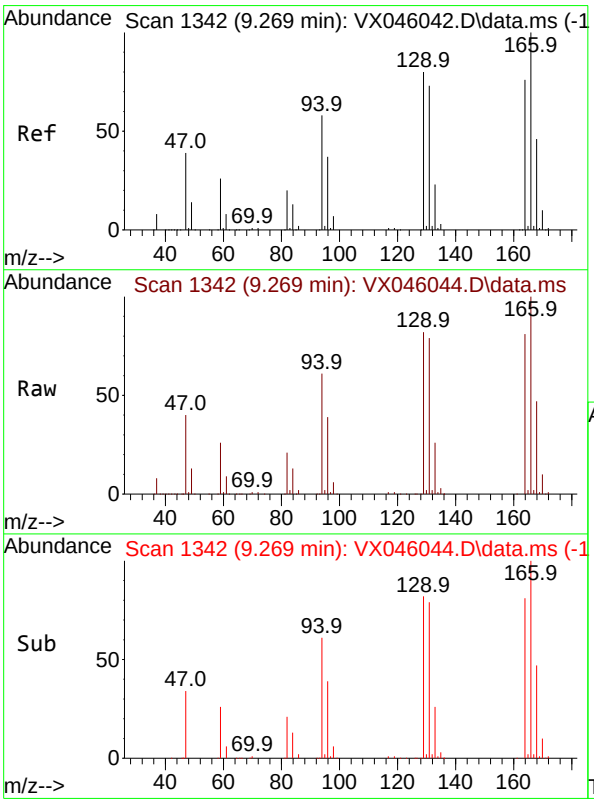
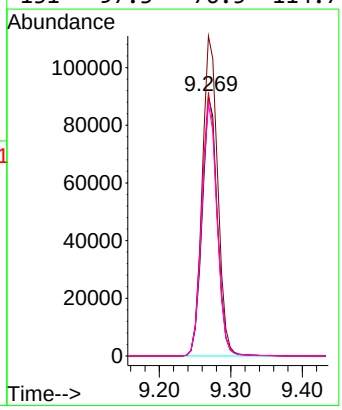
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

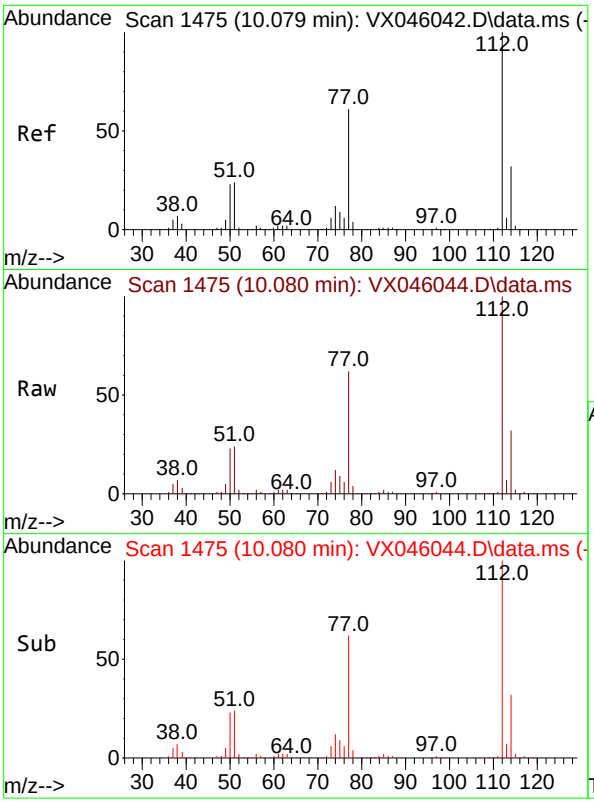


#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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
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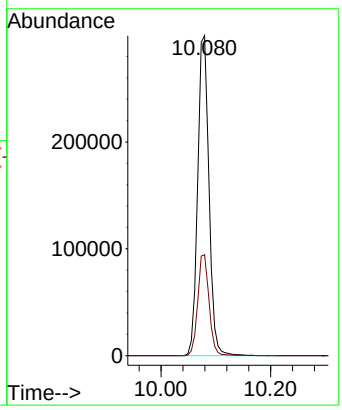
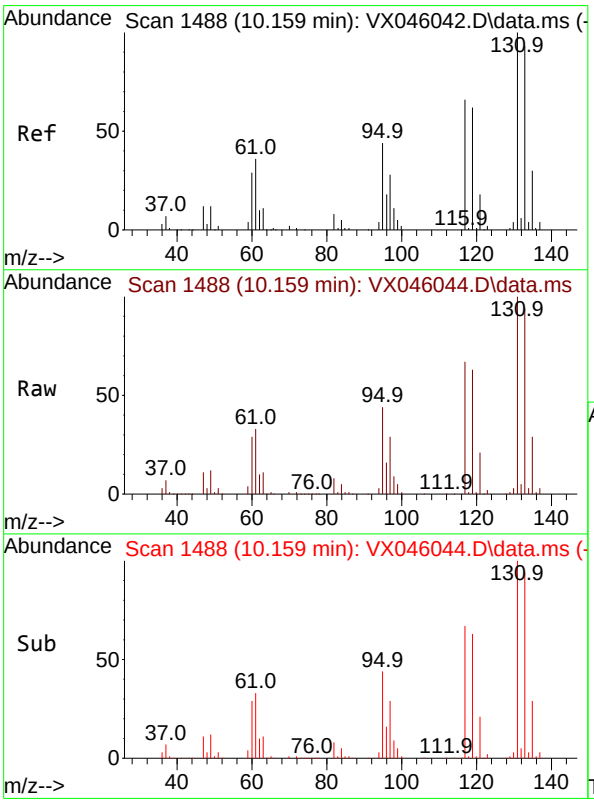
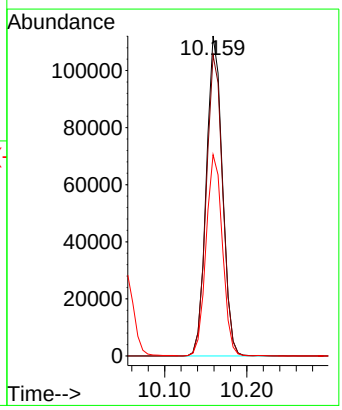


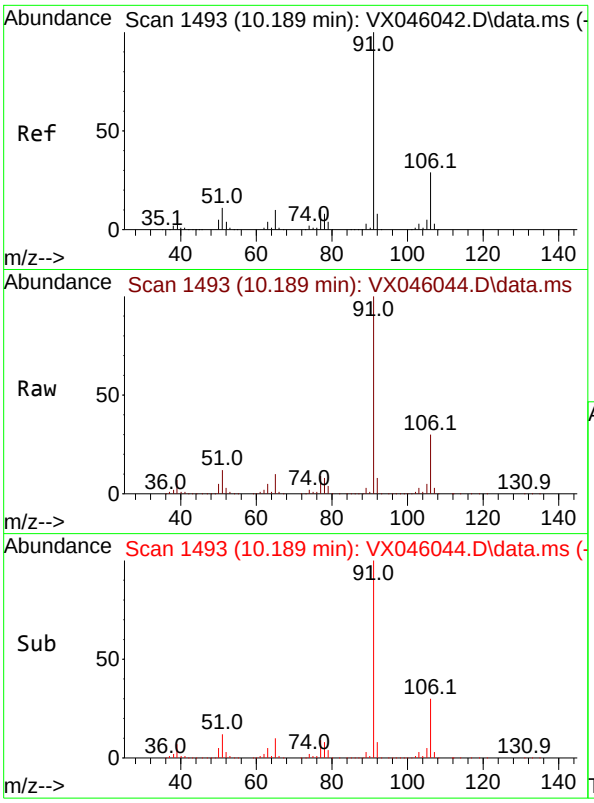


#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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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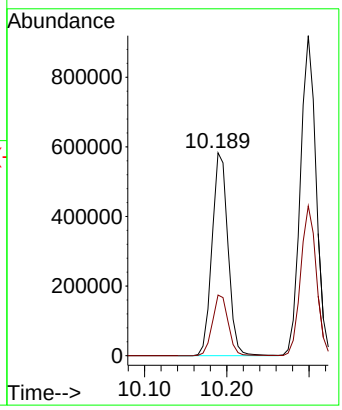
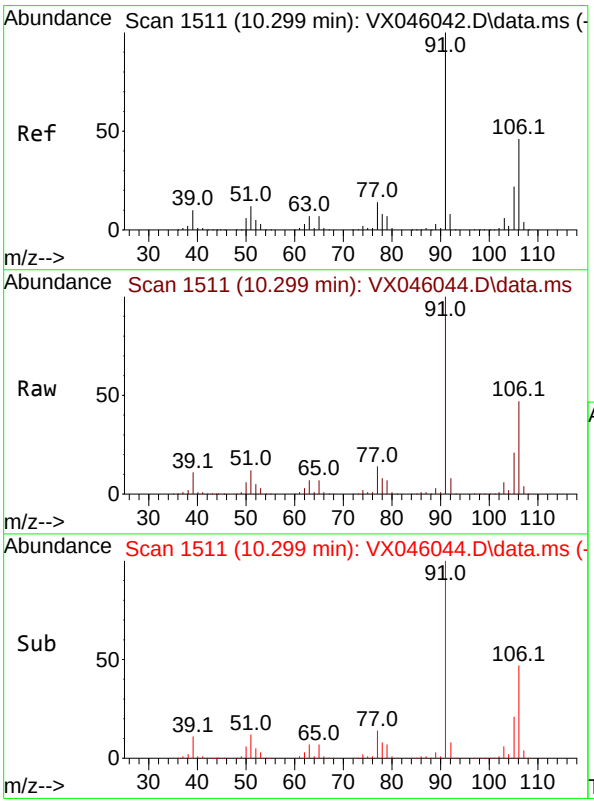
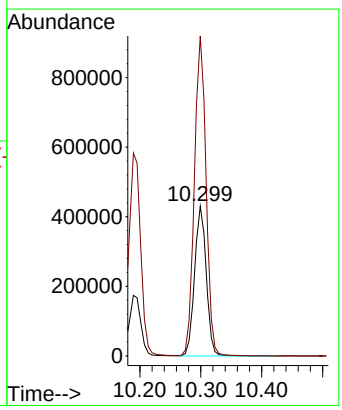


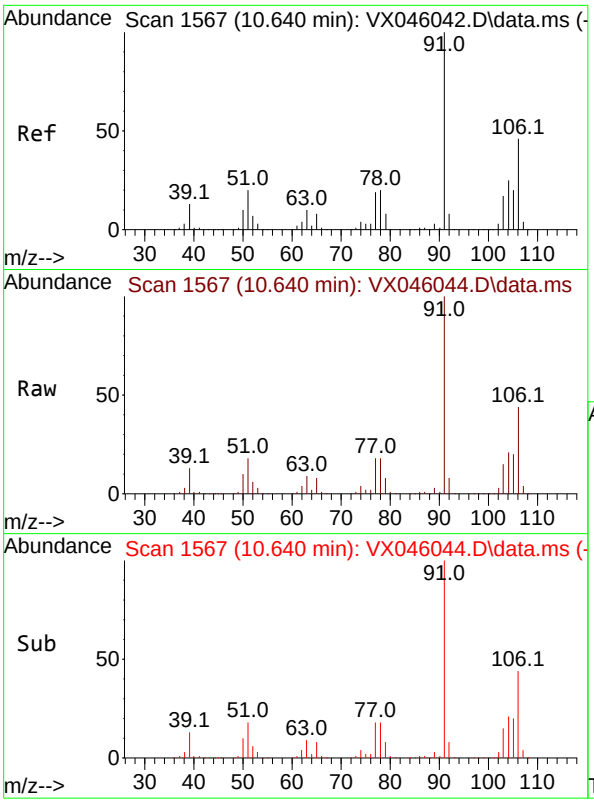


#68
m/p-Xylenes
Concen: 234.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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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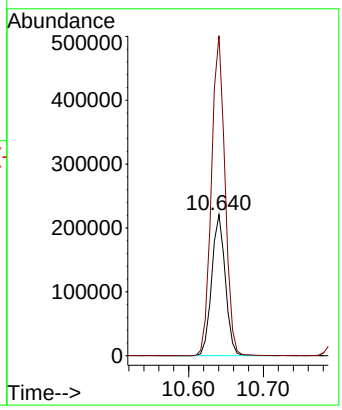
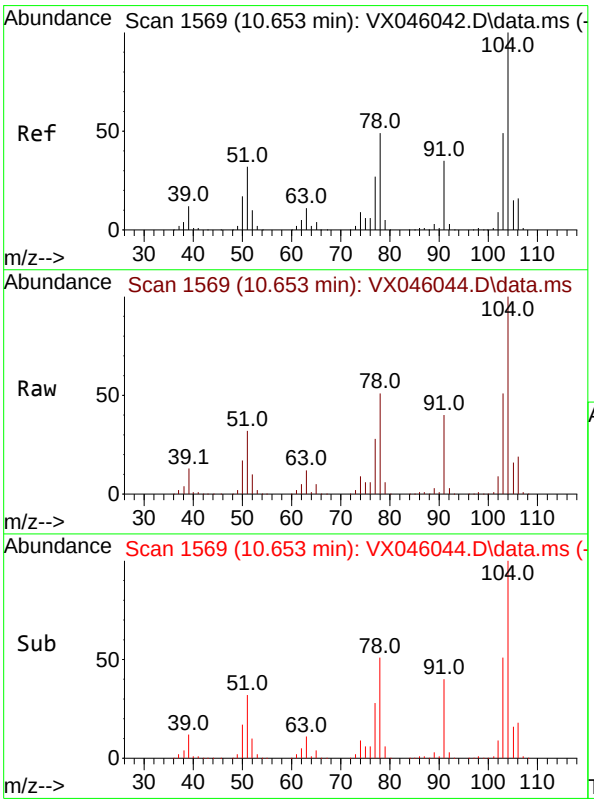
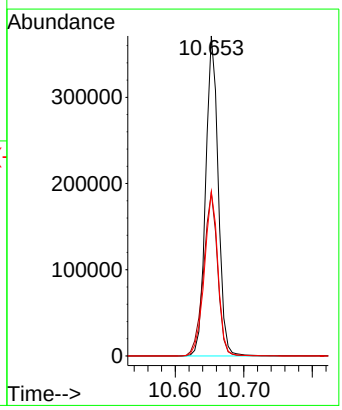


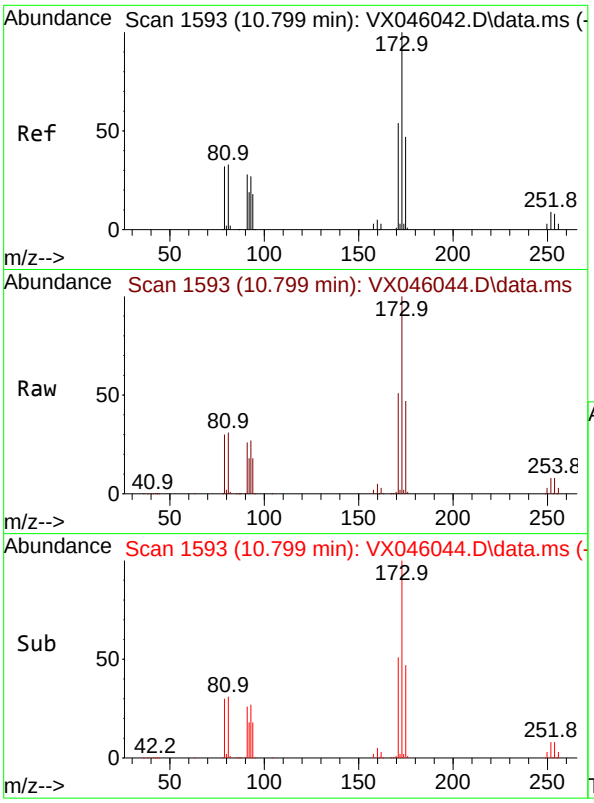


#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

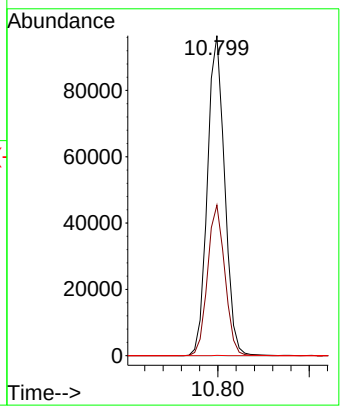




#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
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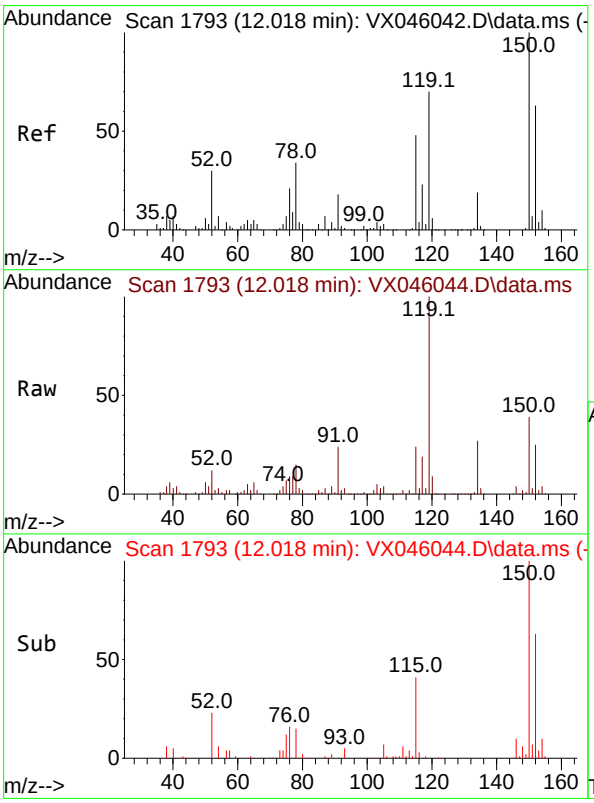
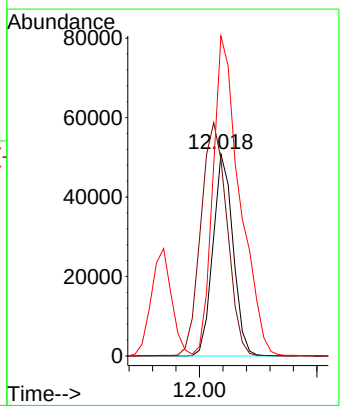
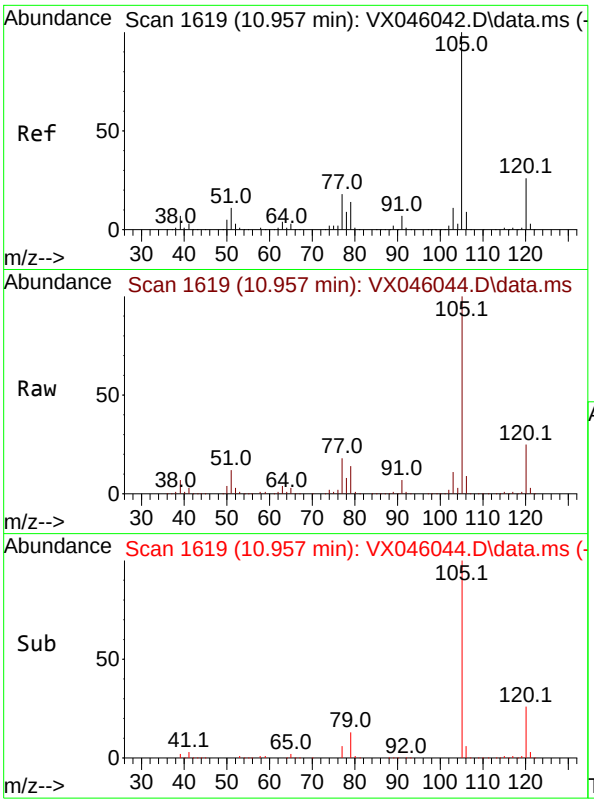


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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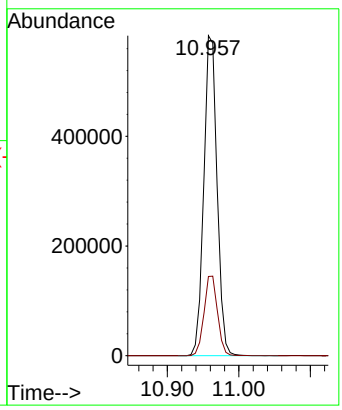
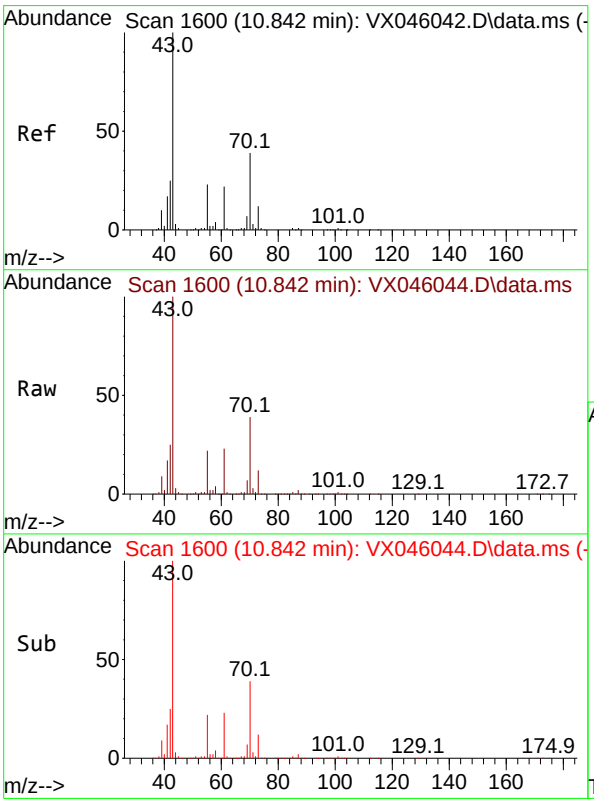
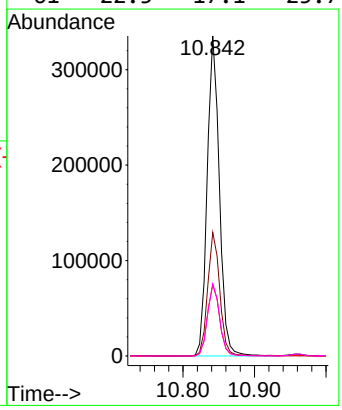


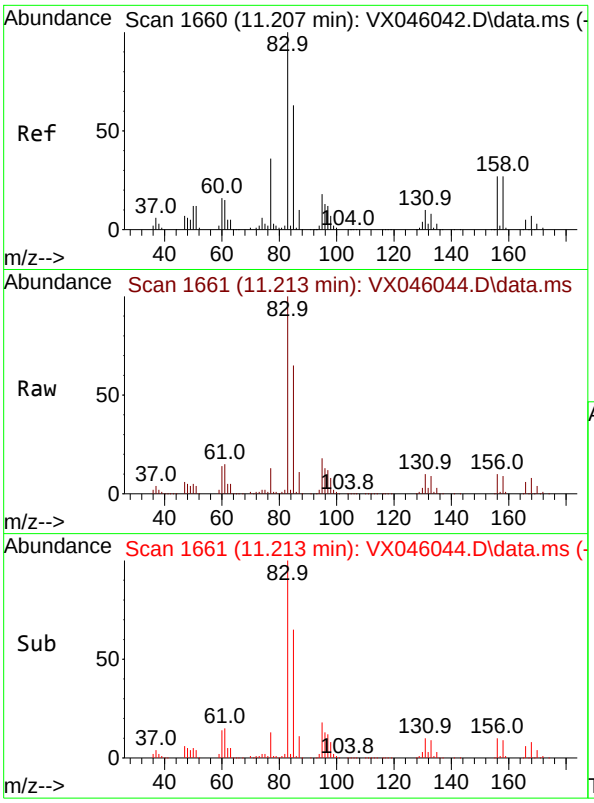


#74
N-amyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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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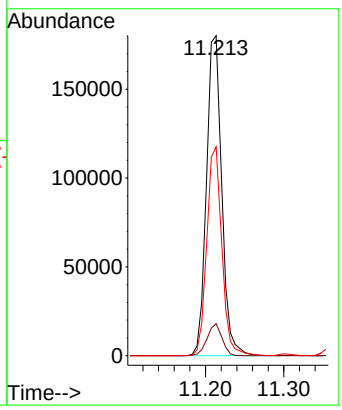
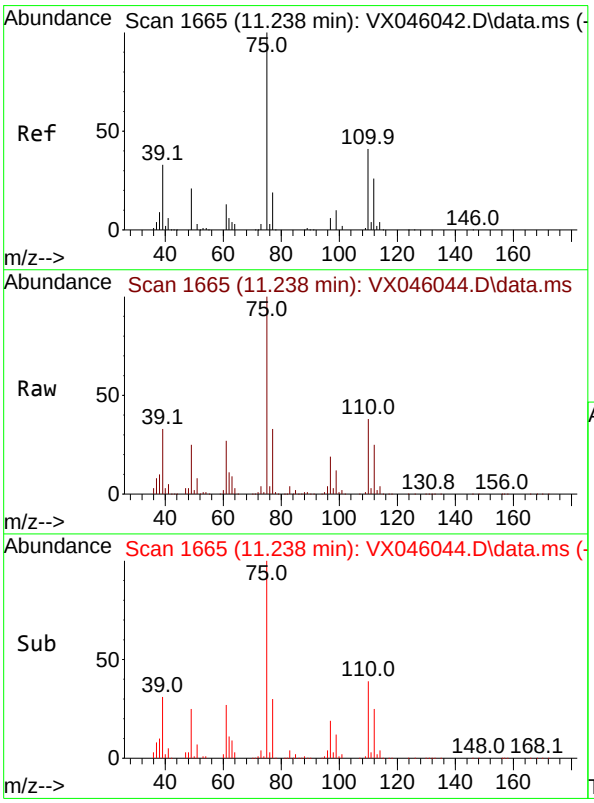
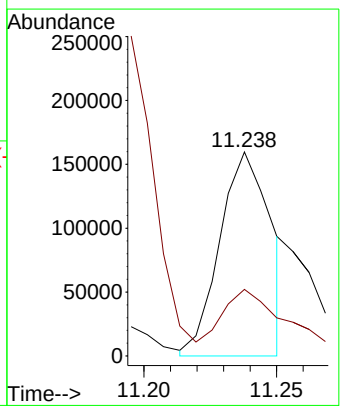


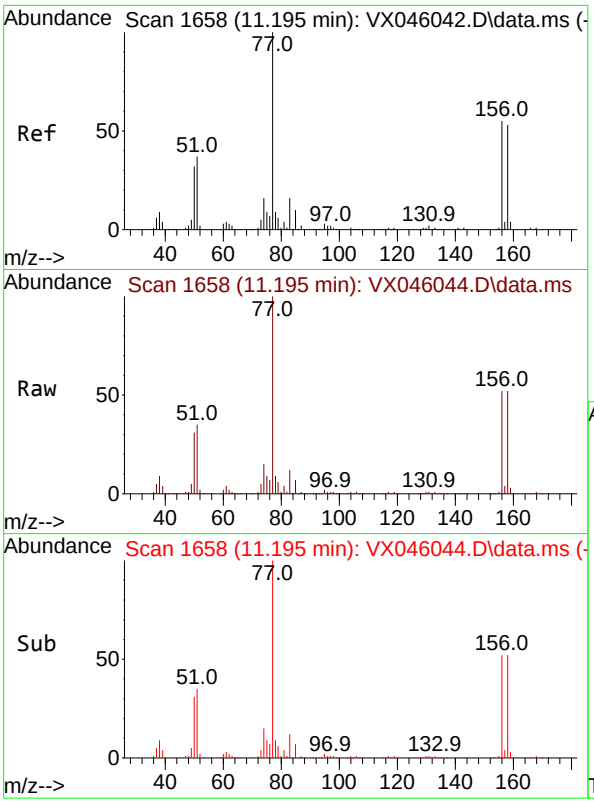


#76
1,2,3-Trichloropropane
Concen: 84.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 213744

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.5	61.5

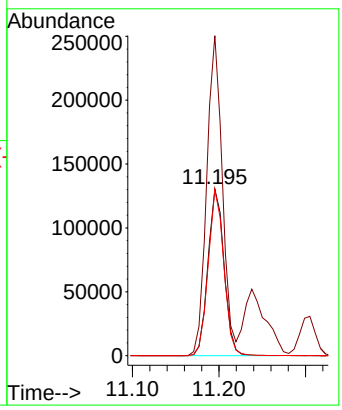




#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
APPROVED

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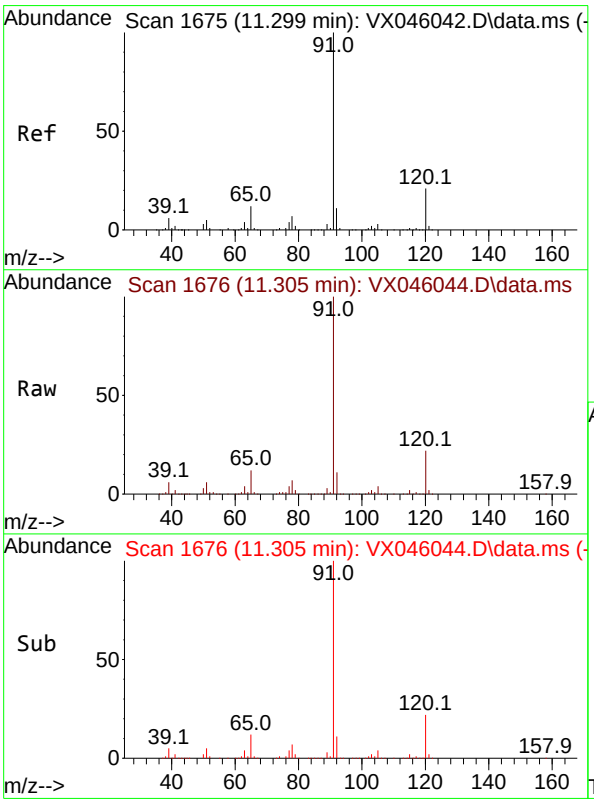
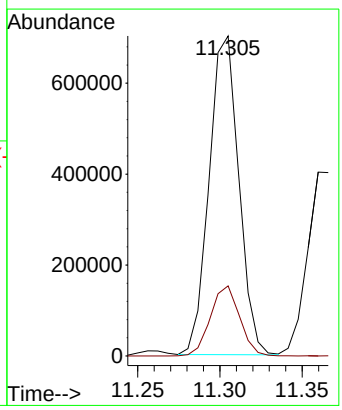
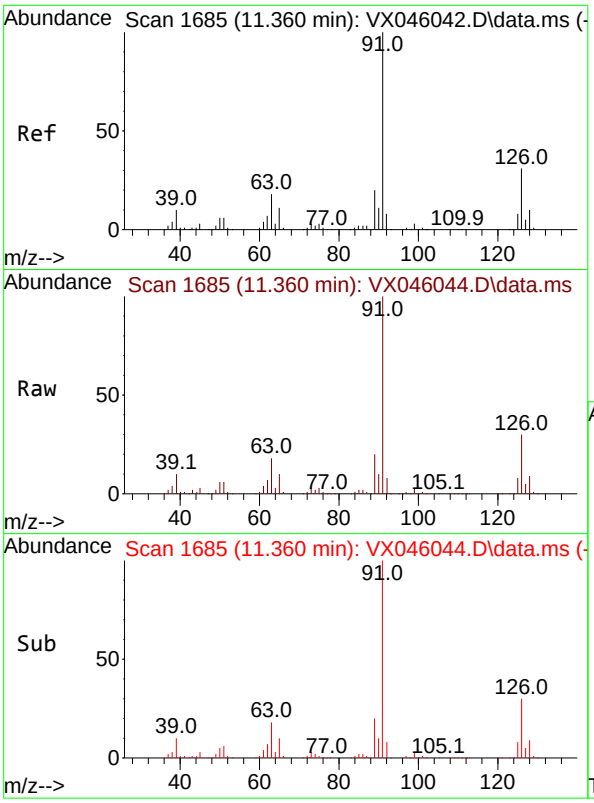


#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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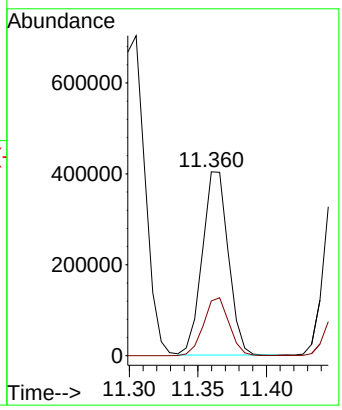
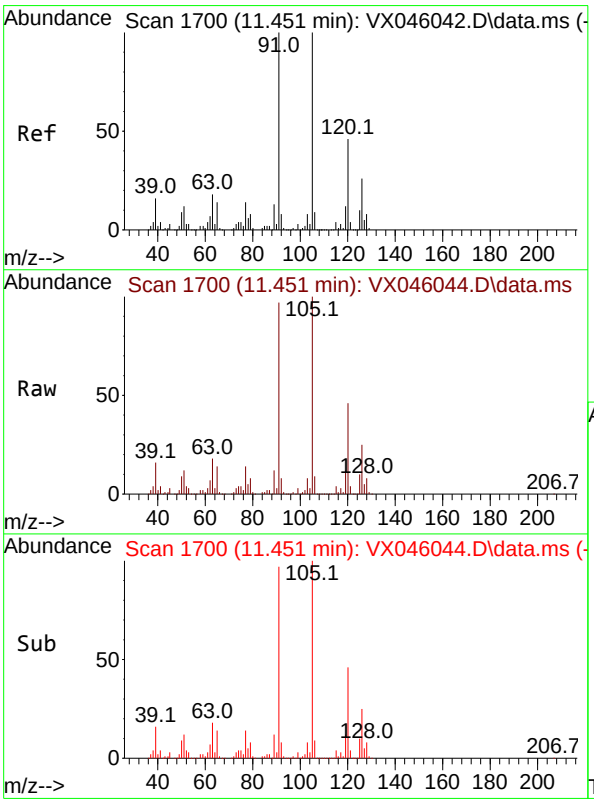
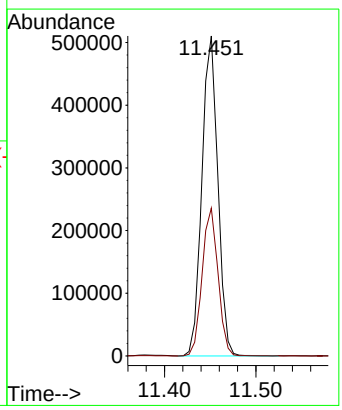


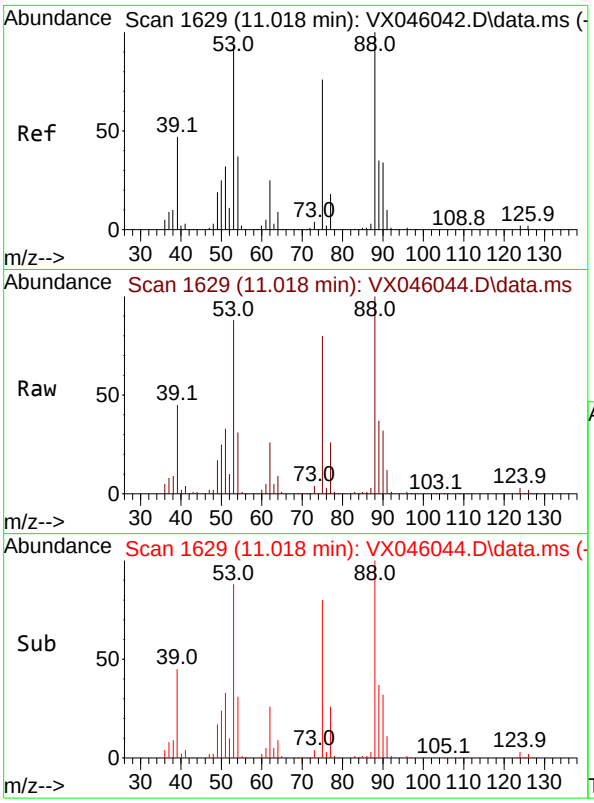


#80
1,3,5-Trimethylbenzene
Concen: 112.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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
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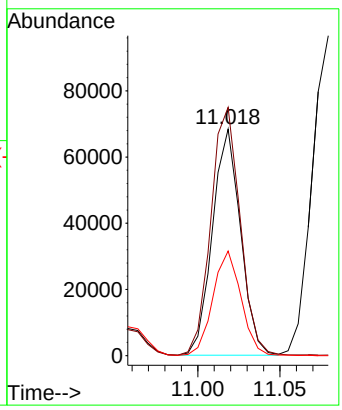
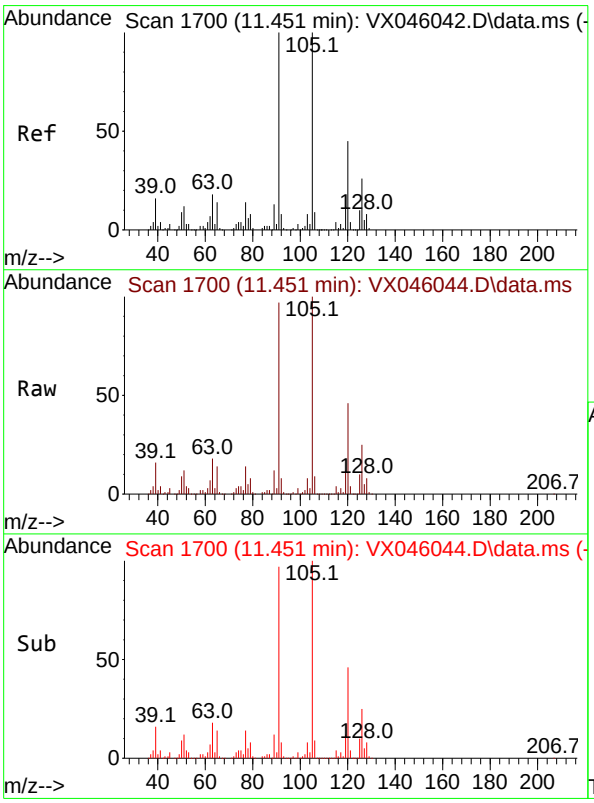
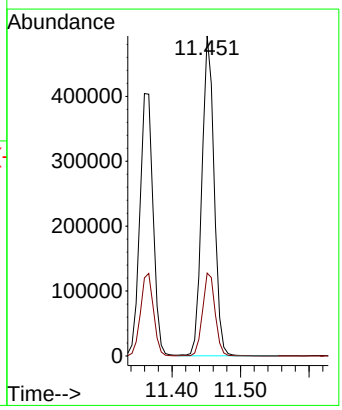


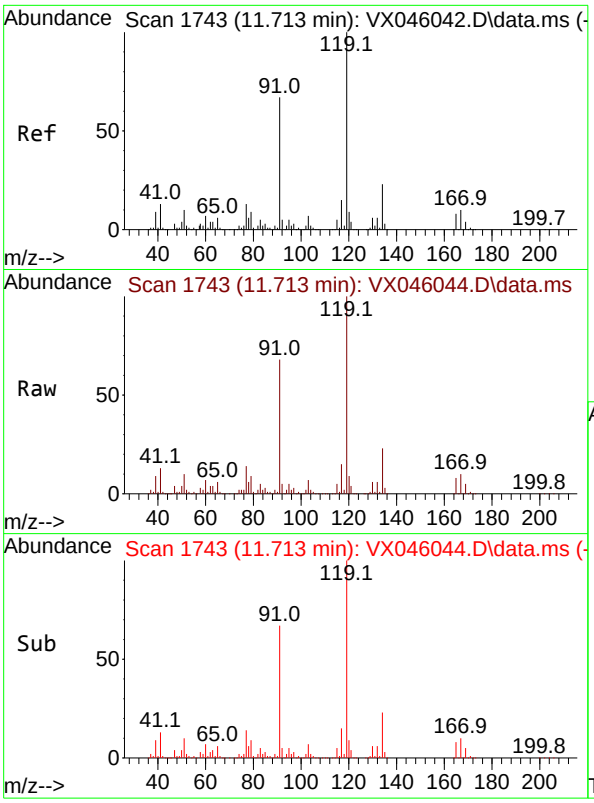


#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736

Ion	Ratio	Lower	Upper
91	100		
126	26.7	13.3	39.8

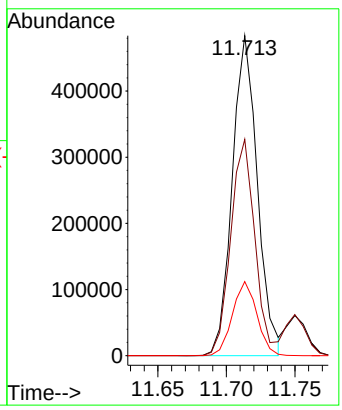




#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 61747

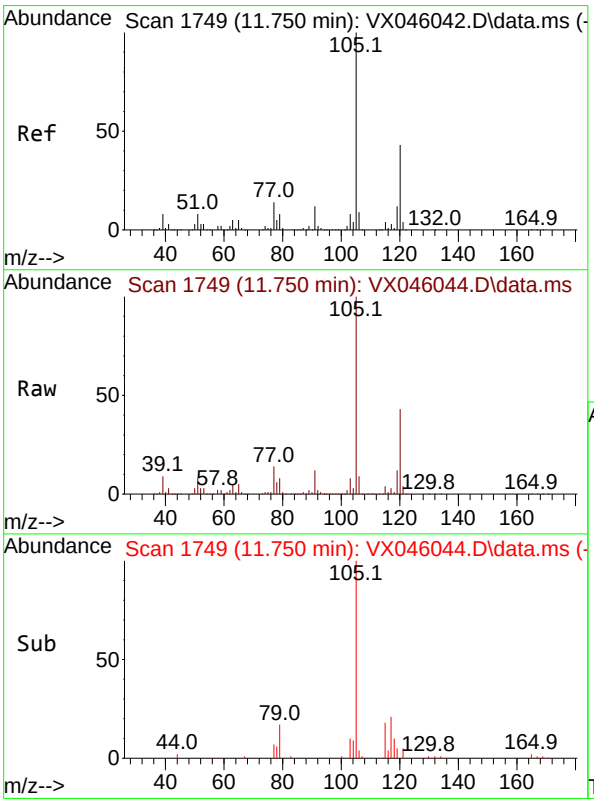
Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.9	98.7
134	22.6	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

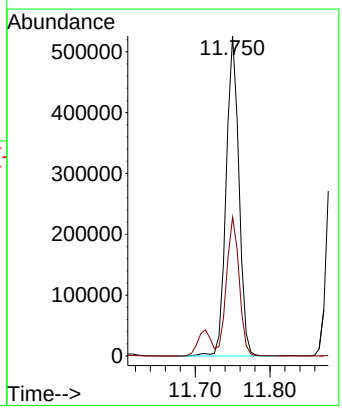
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

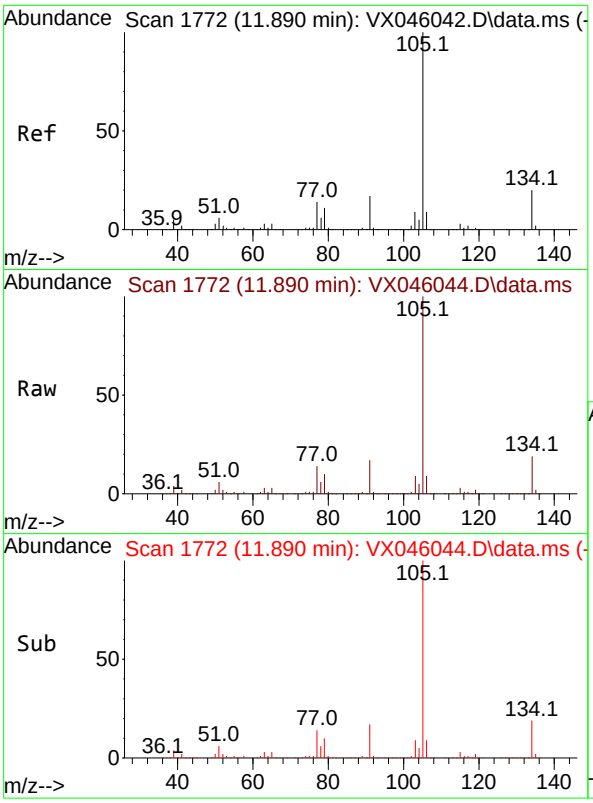


#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

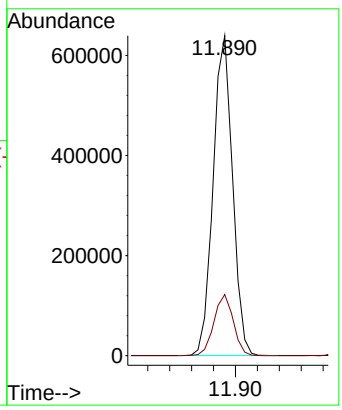
Tgt Ion:105 Resp: 78629

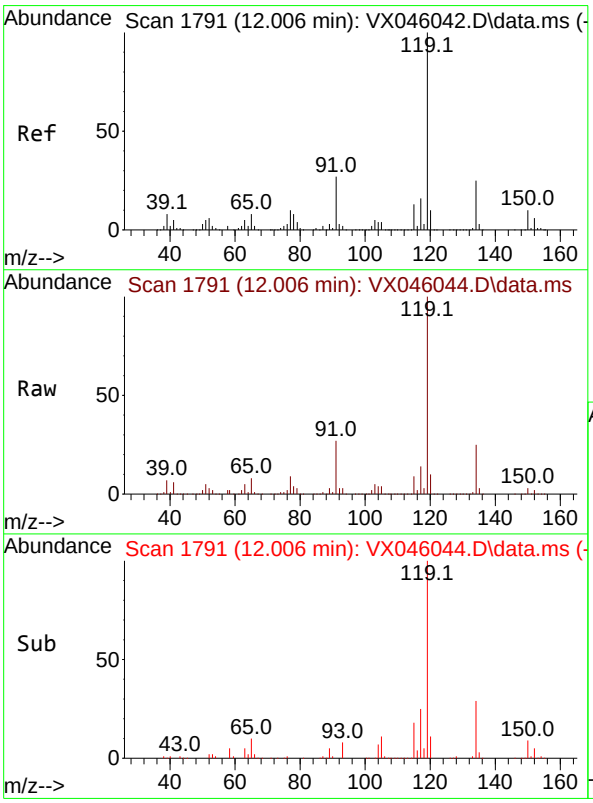
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

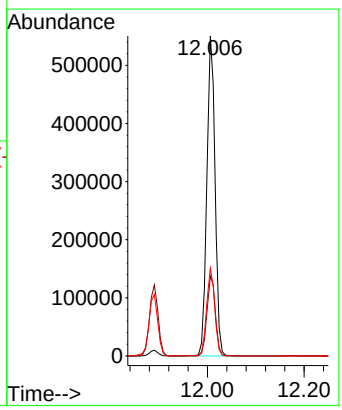


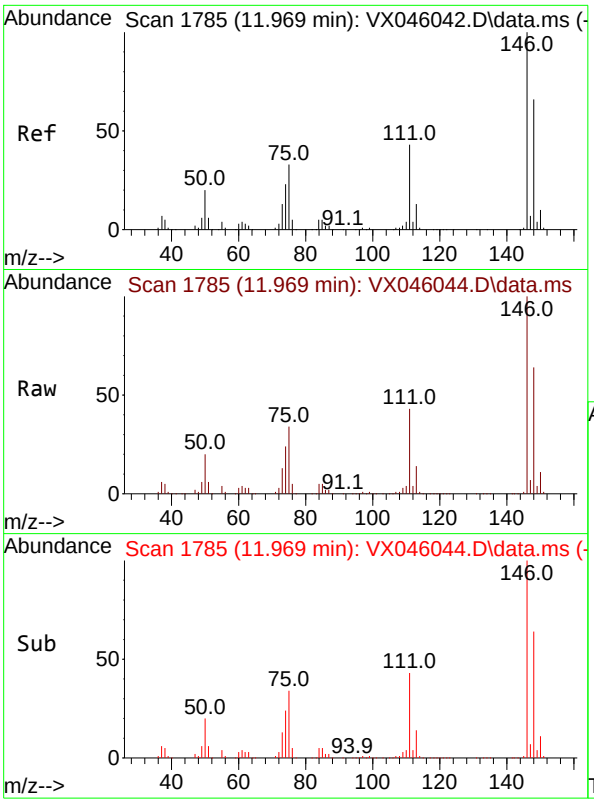


#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

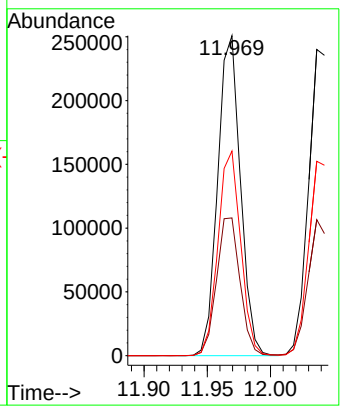
Tgt Ion:146 Resp: 31310

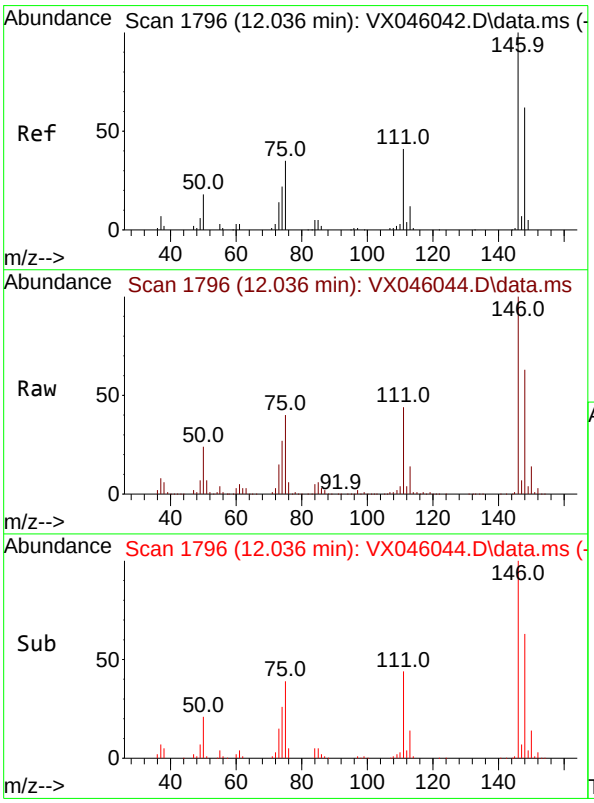
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.3
148	64.0	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

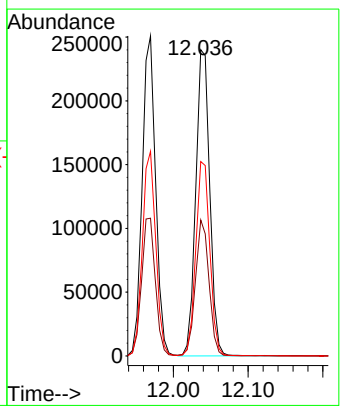


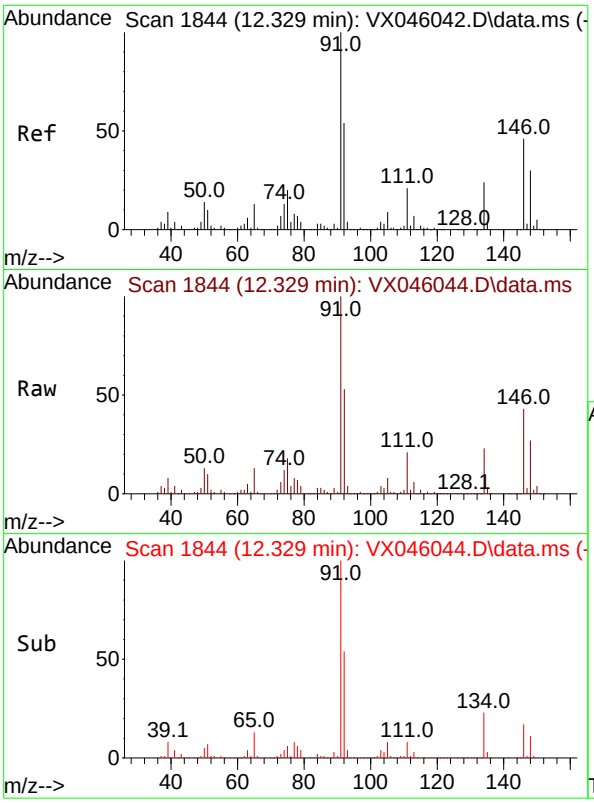


#88
1,4-Dichlorobenzene
Concen: 112.167 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

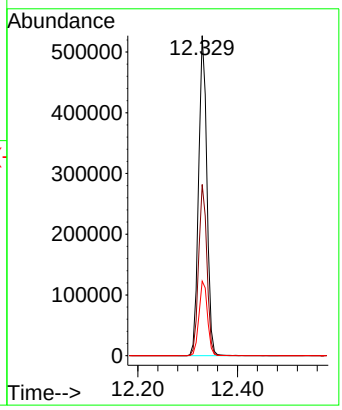
Tgt Ion: 91 Resp: 60578

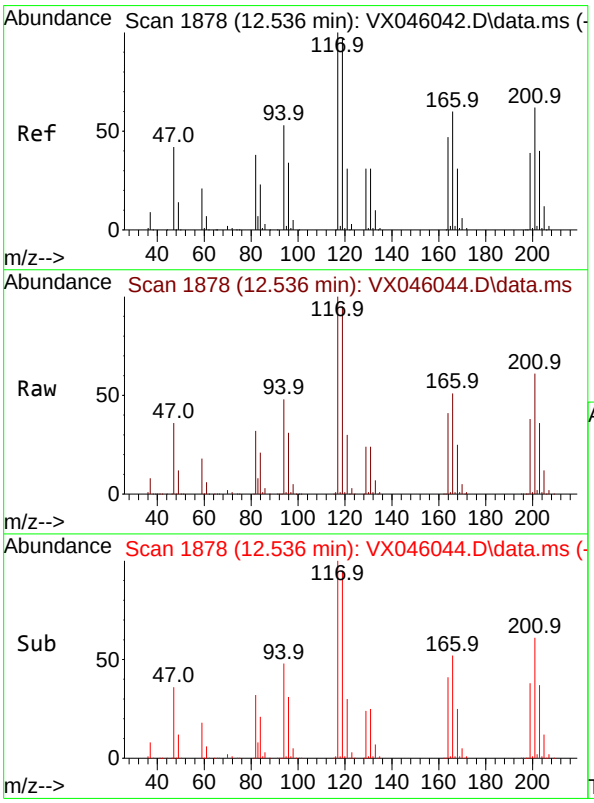
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	24.0	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

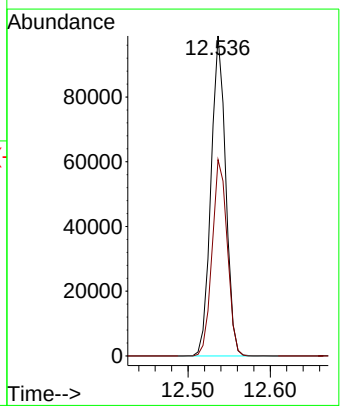


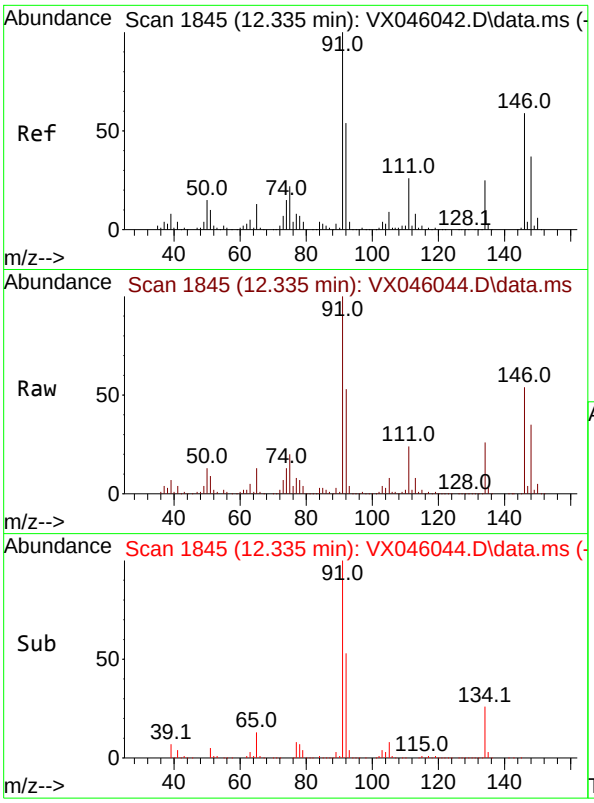


#90
Hexachloroethane
Concen: 123.091 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 123188

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.6	94.7

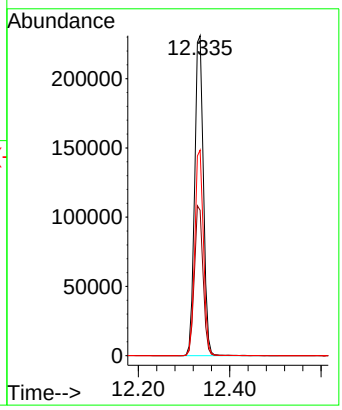




#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 30803

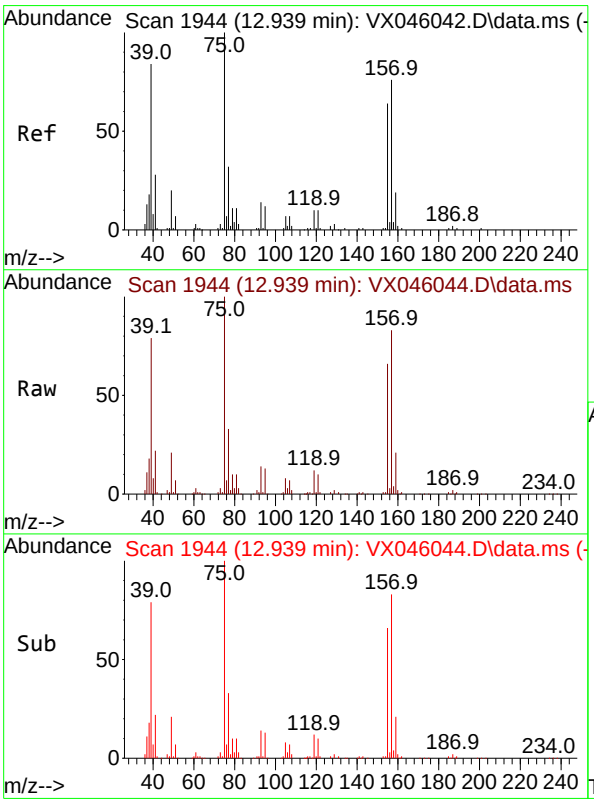
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.4	67.3
148	63.6	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

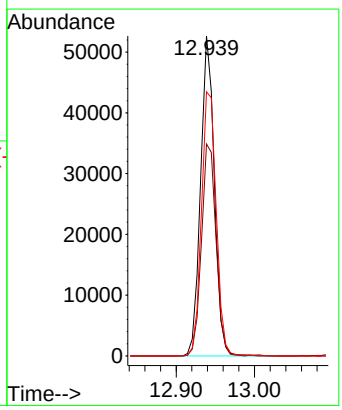
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

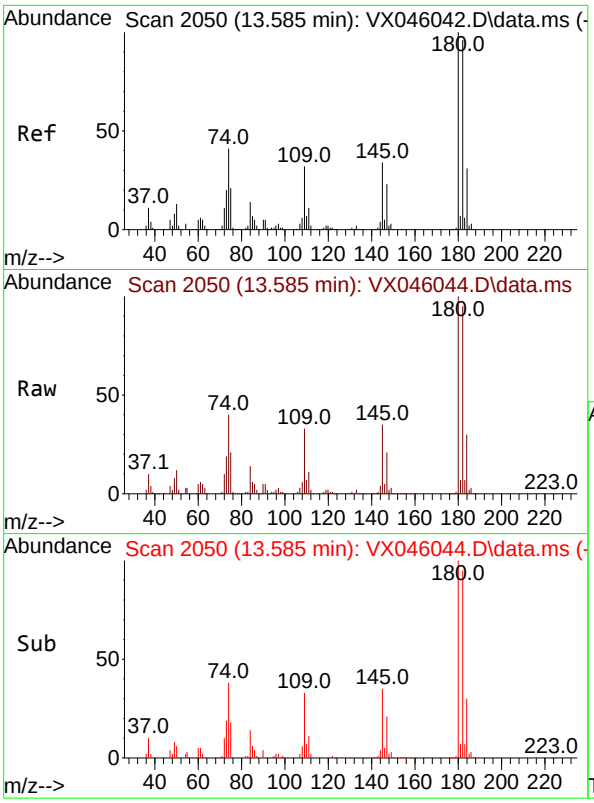


#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

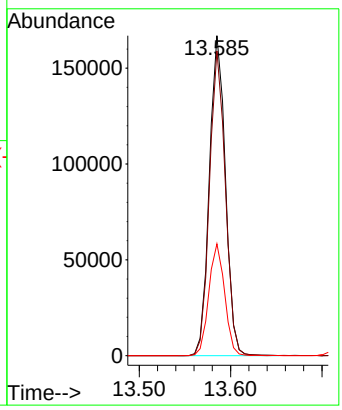
Tgt Ion:180 Resp: 20325

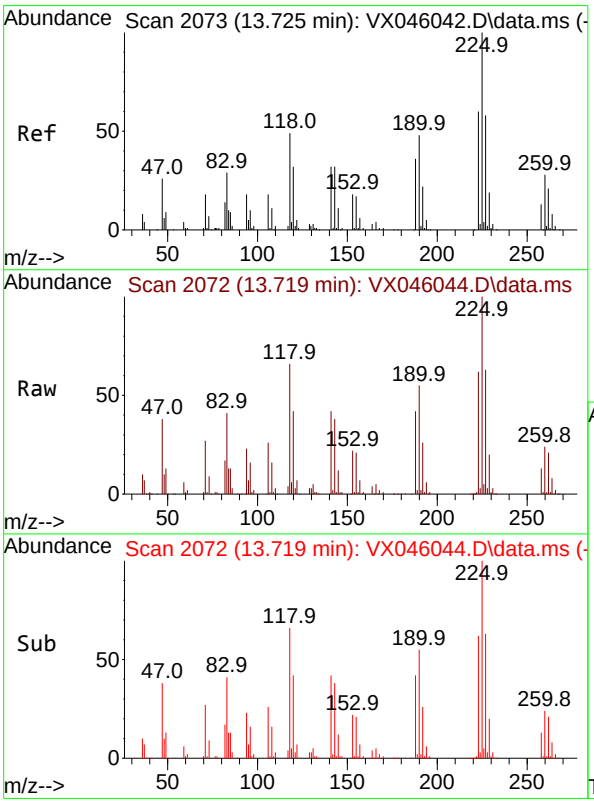
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.8
145	34.5	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

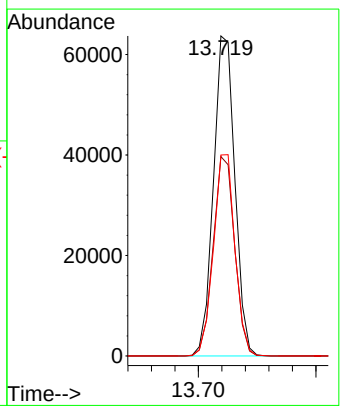


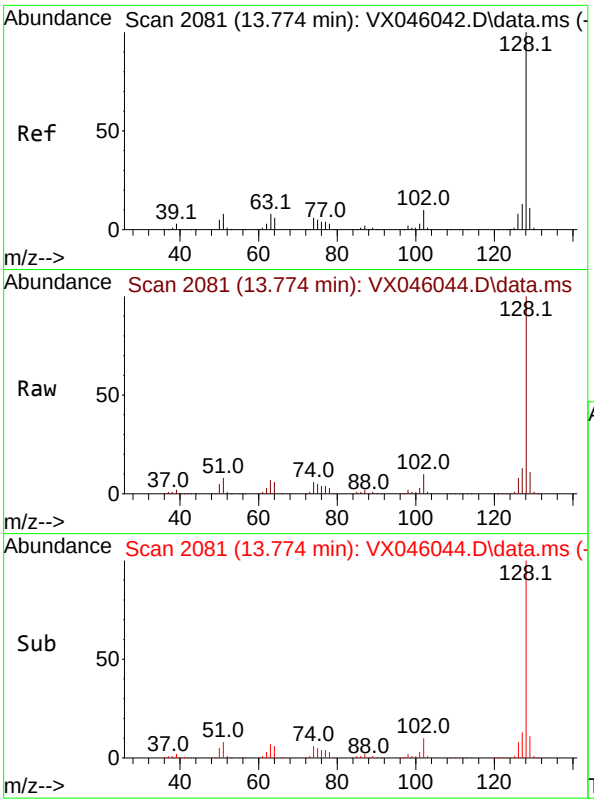


#94
Hexachlorobutadiene
Concen: 113.857 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

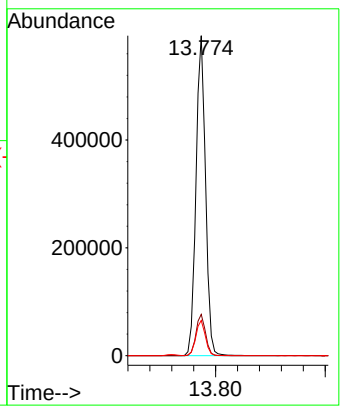




#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:128 Resp: 72123

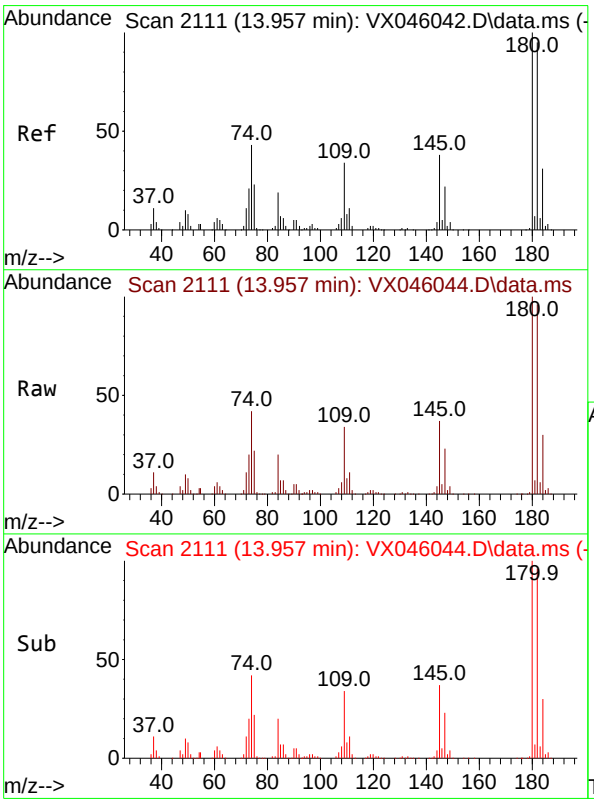
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

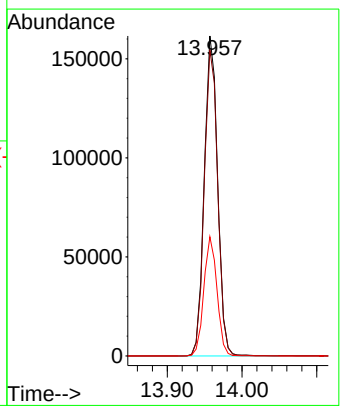
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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	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

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)
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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

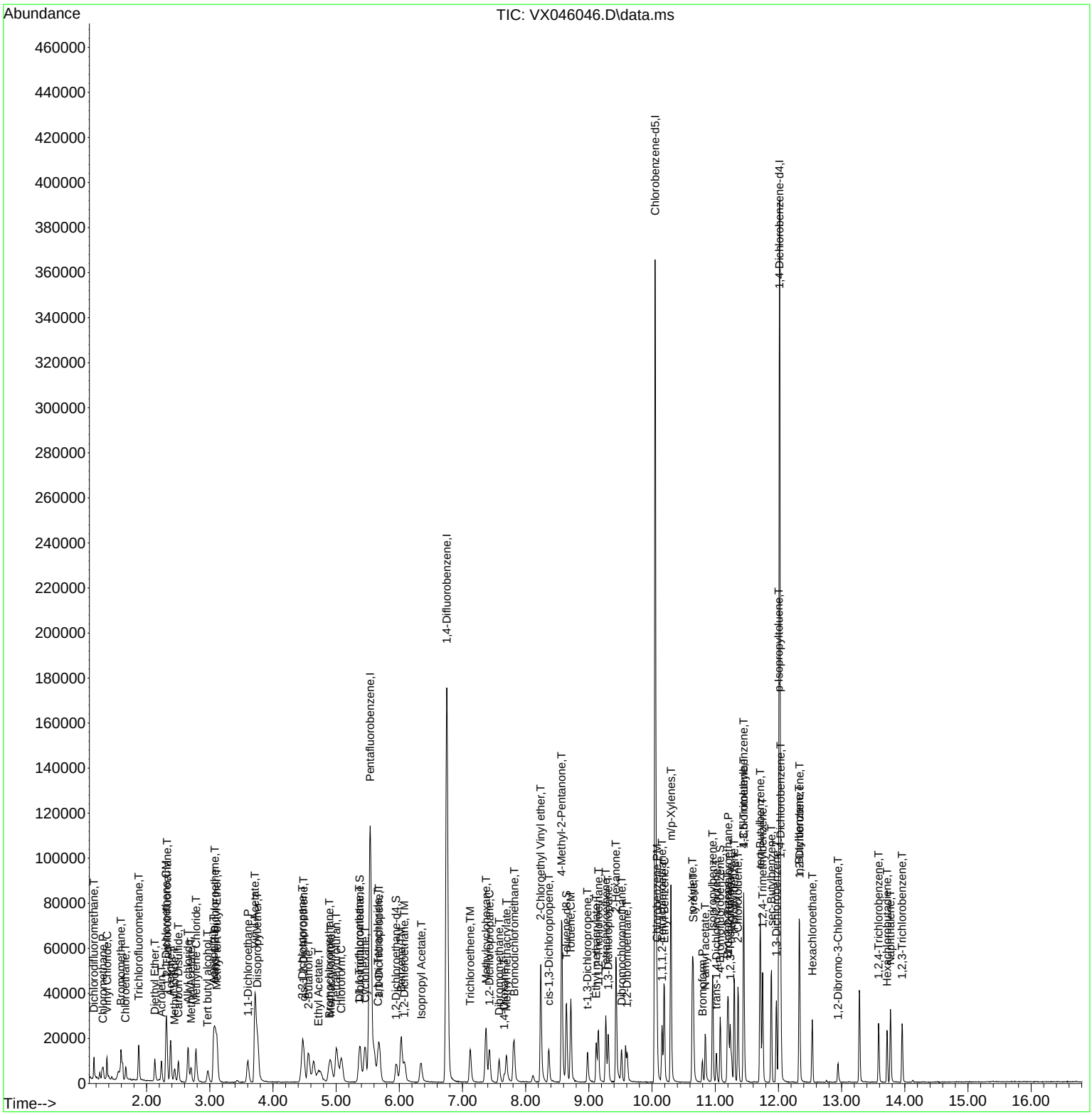
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

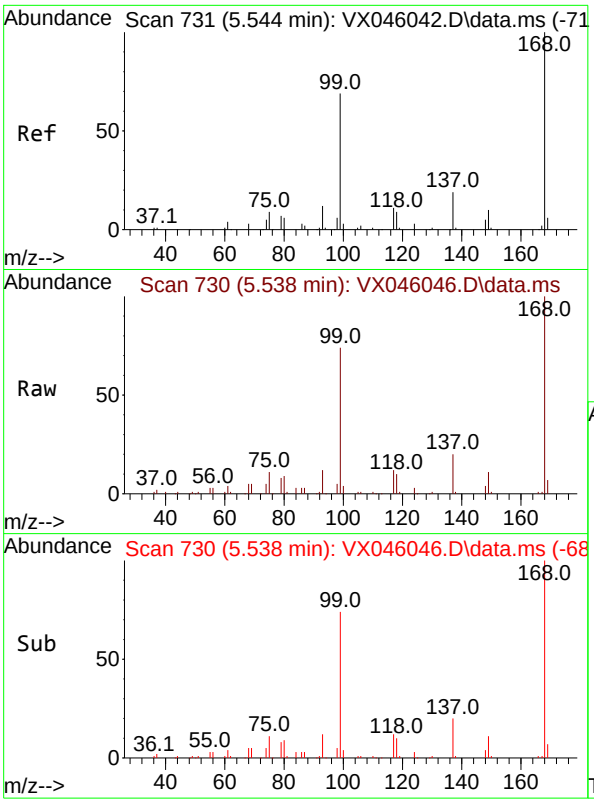
Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

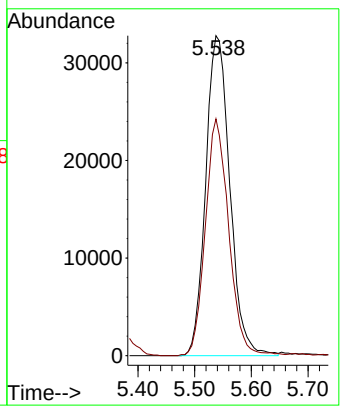




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:168 Resp: 9696

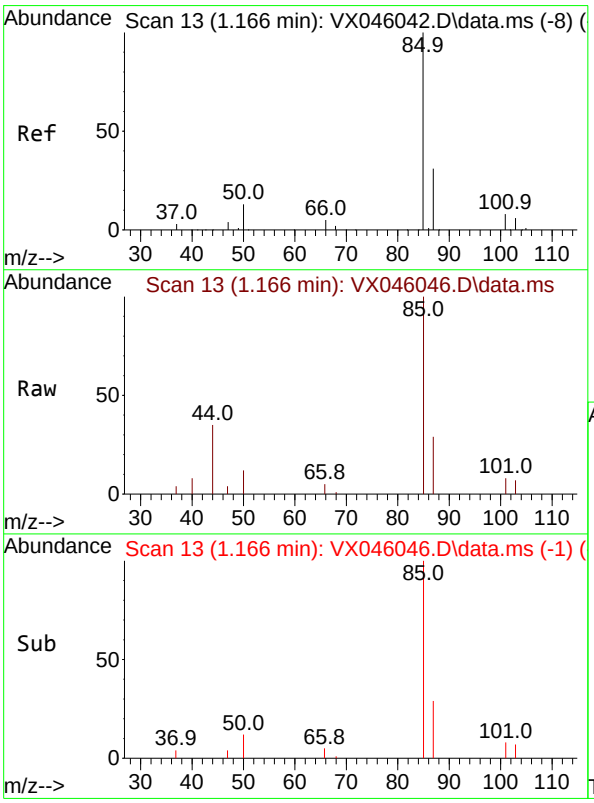
Ion	Ratio	Lower	Upper
168	100		
99	74.0	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

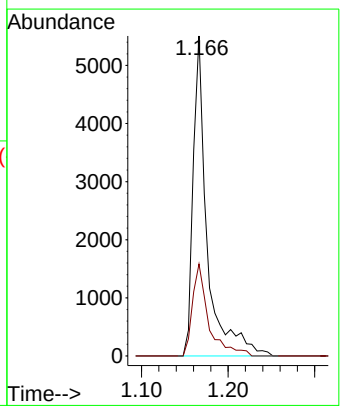
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

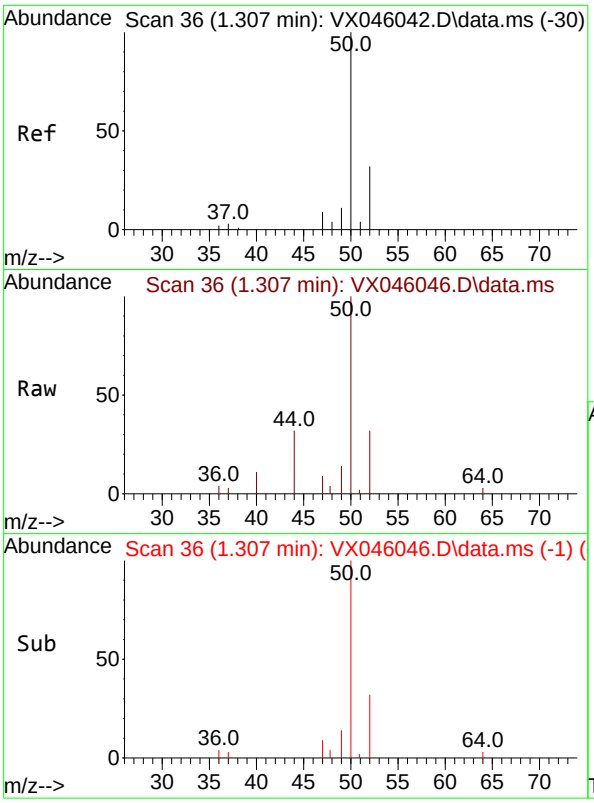


#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195

Ion	Ratio	Lower	Upper
85	100		
87	28.7	15.7	47.1

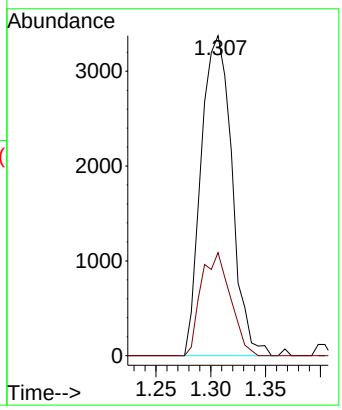




#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 50 Resp: 658

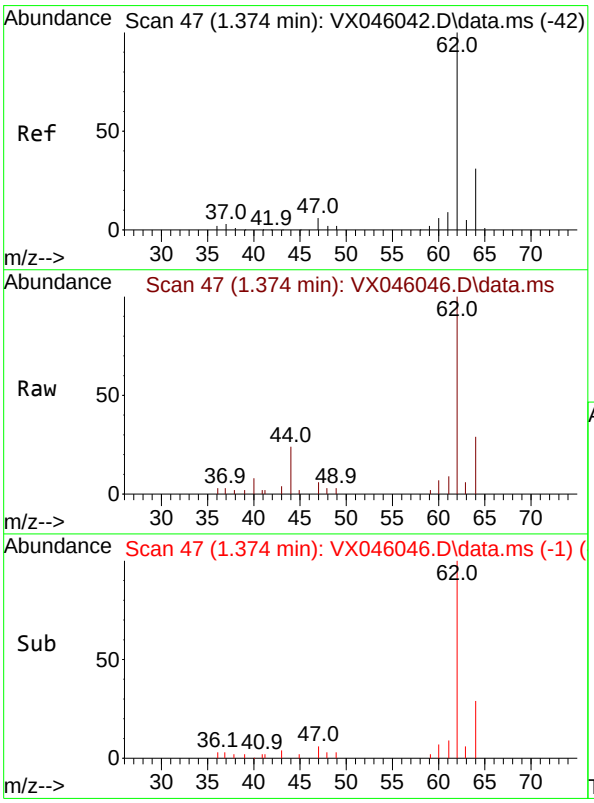
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

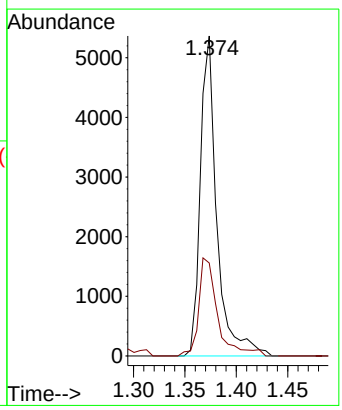
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

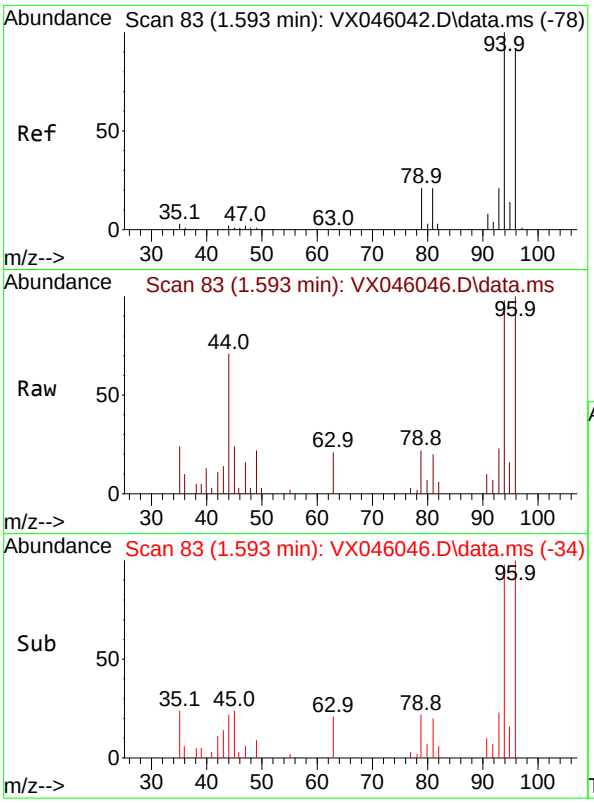


#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 5999

Ion	Ratio	Lower	Upper
62	100		
64	29.1	25.2	37.8

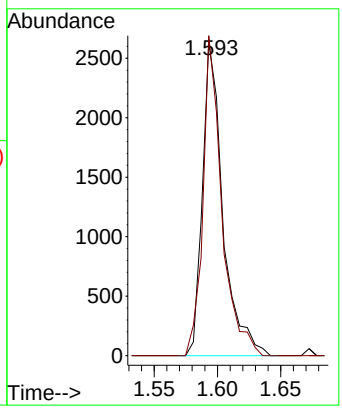




#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 94 Resp: 296

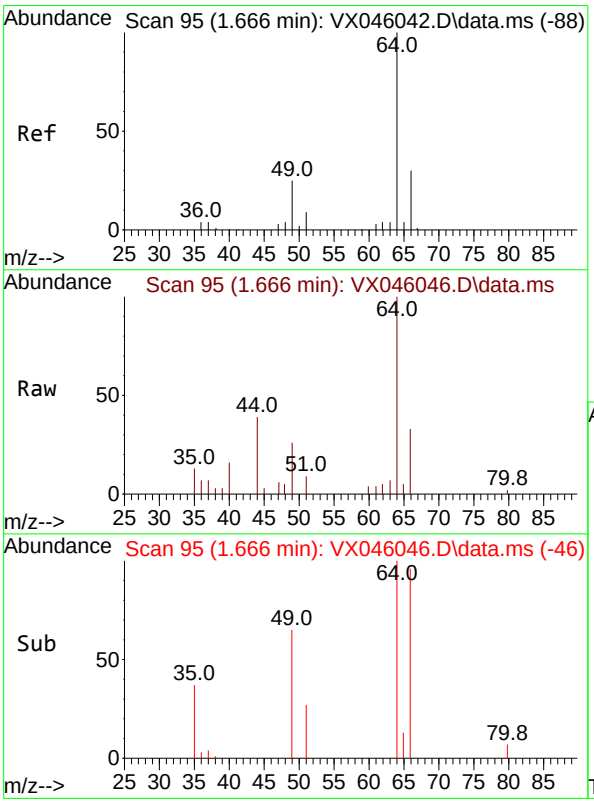
Ion	Ratio	Lower	Upper
94	100		
96	102.2	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

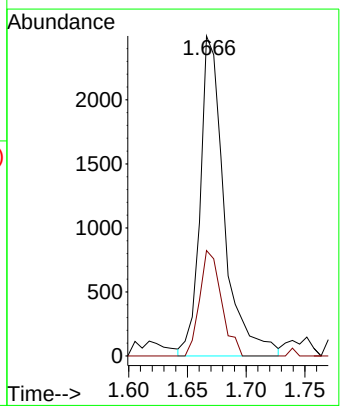
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

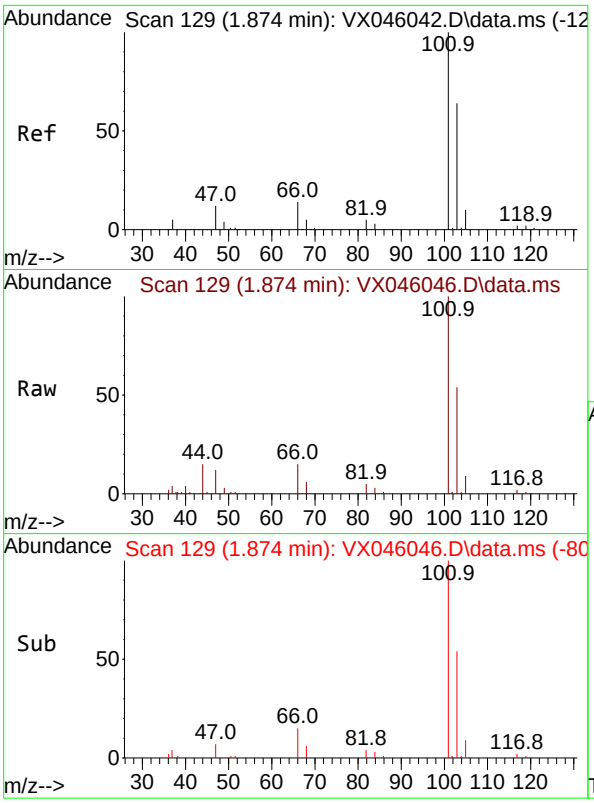


#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 64 Resp: 3567

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5

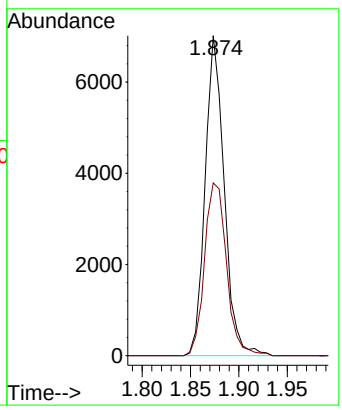




#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:101 Resp: 959

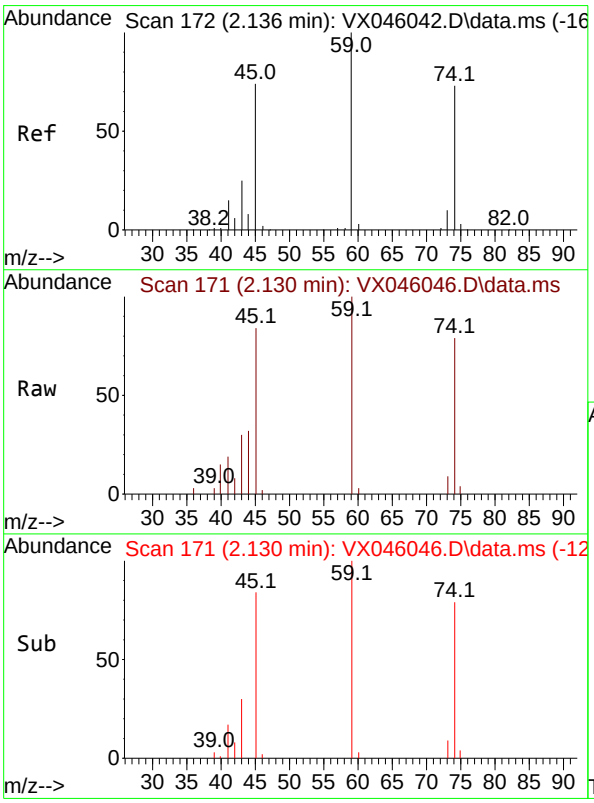
Ion	Ratio	Lower	Upper
101	100		
103	54.0	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

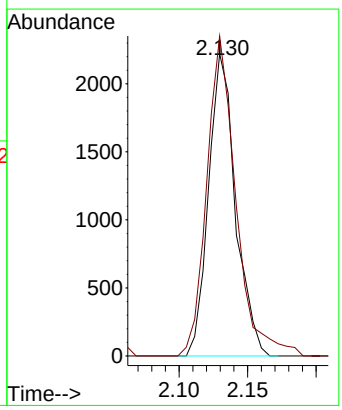
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

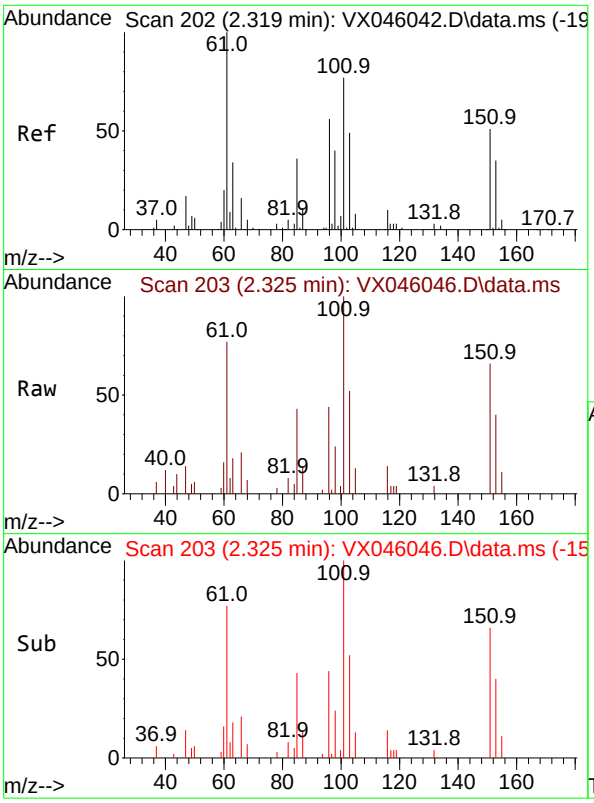


#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020

Ion	Ratio	Lower	Upper
74	100		
45	115.1	54.9	164.8

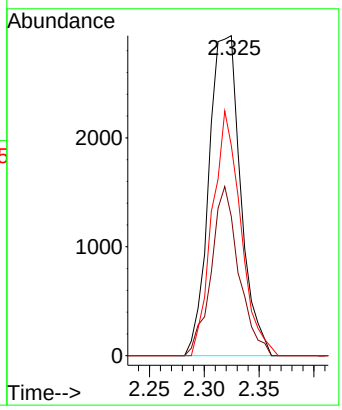




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:101 Resp: 591

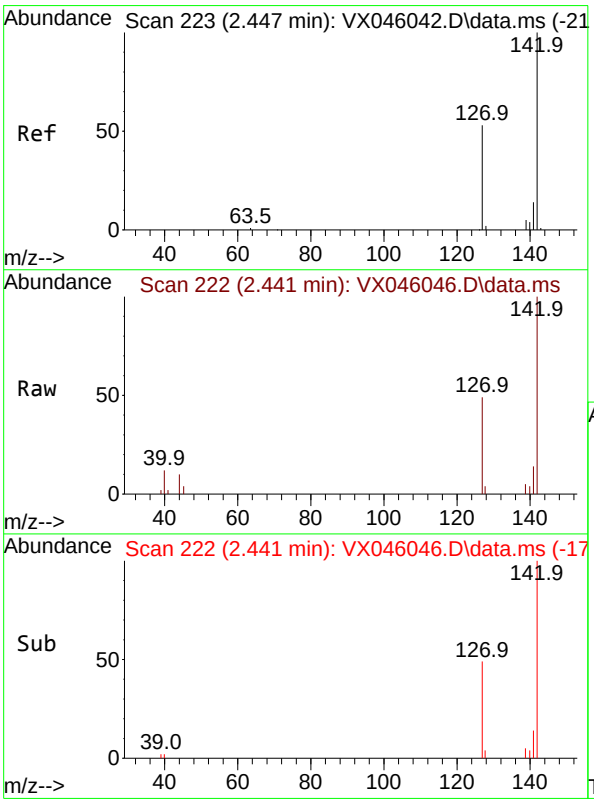
Ion	Ratio	Lower	Upper
101	100		
85	46.3	38.6	58.0
151	68.8	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

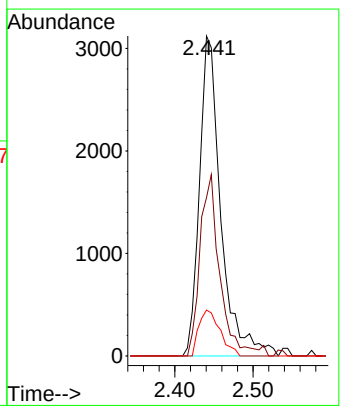
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

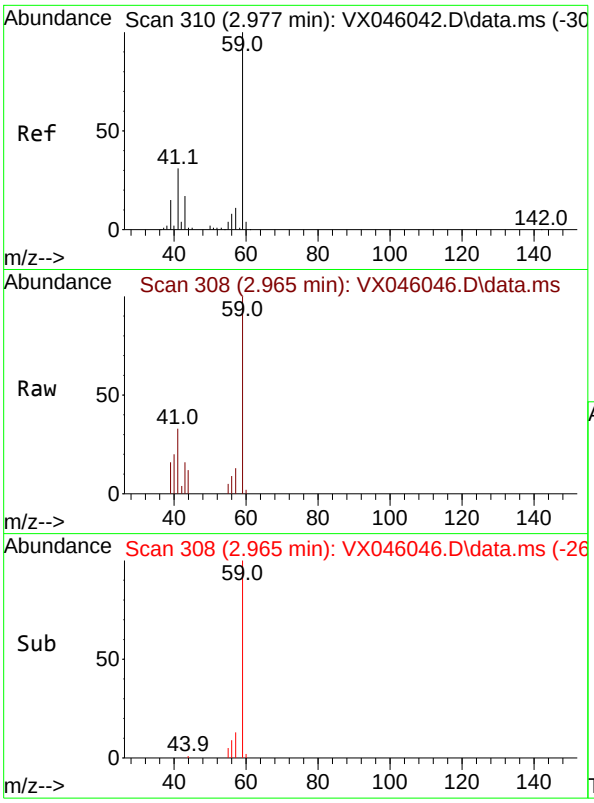


#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

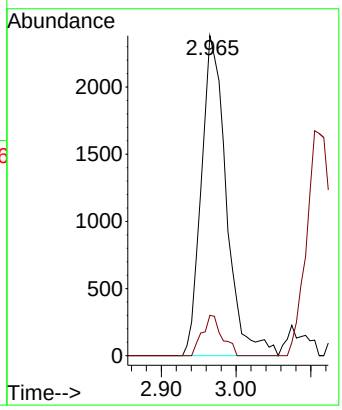
Tgt Ion: 59 Resp: 553

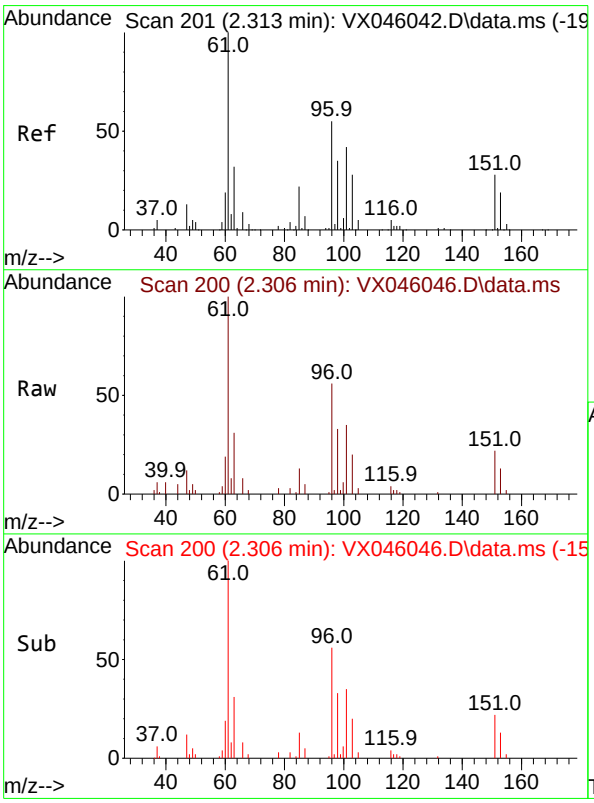
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

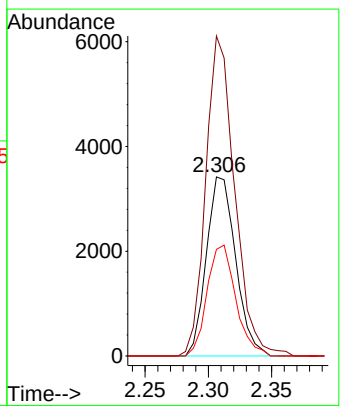


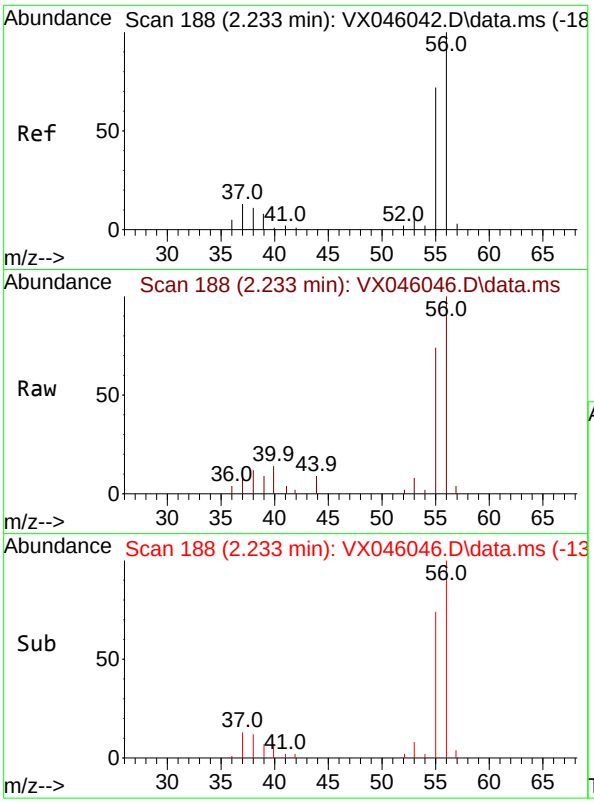


#12
1,1-Dichloroethene
Concen: 3.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

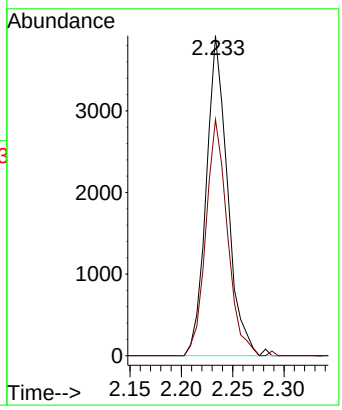




#13
Acrolein
Concen: 14.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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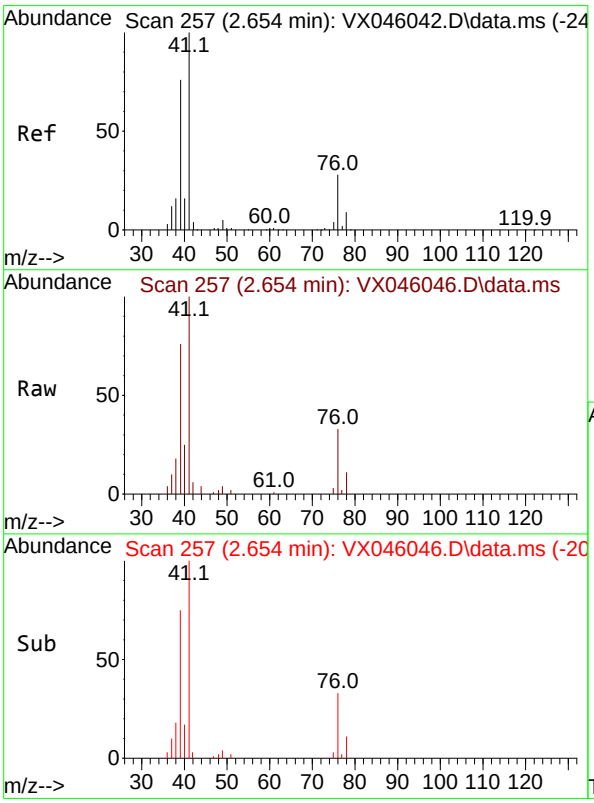
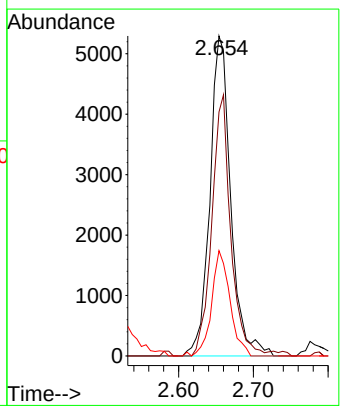
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

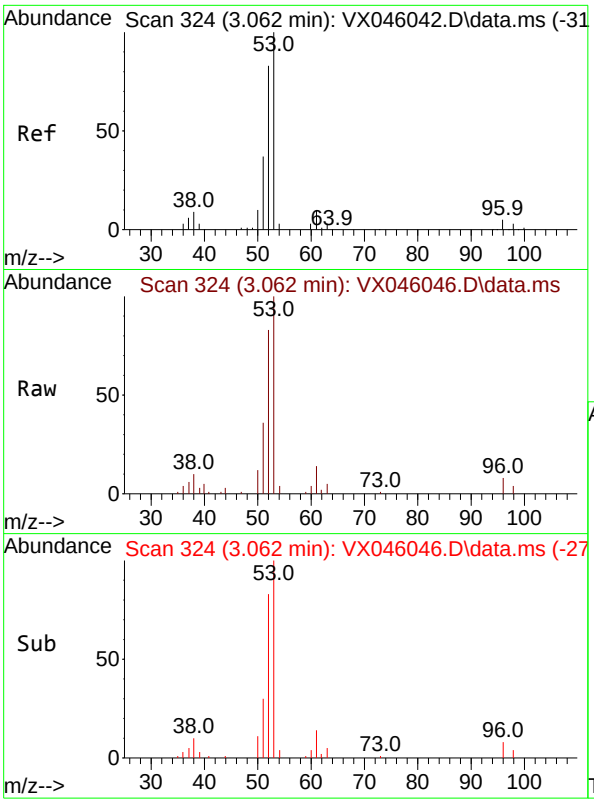


#14
Allyl chloride
Concen: 3.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

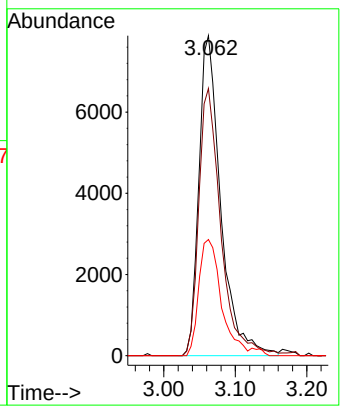




#15
Acrylonitrile
Concen: 16.282 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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
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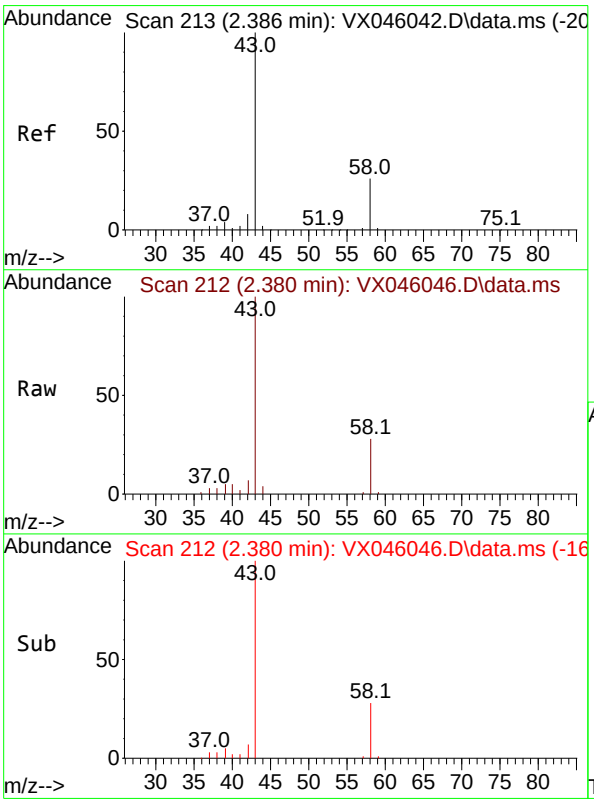
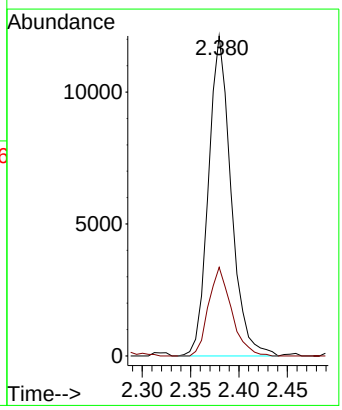
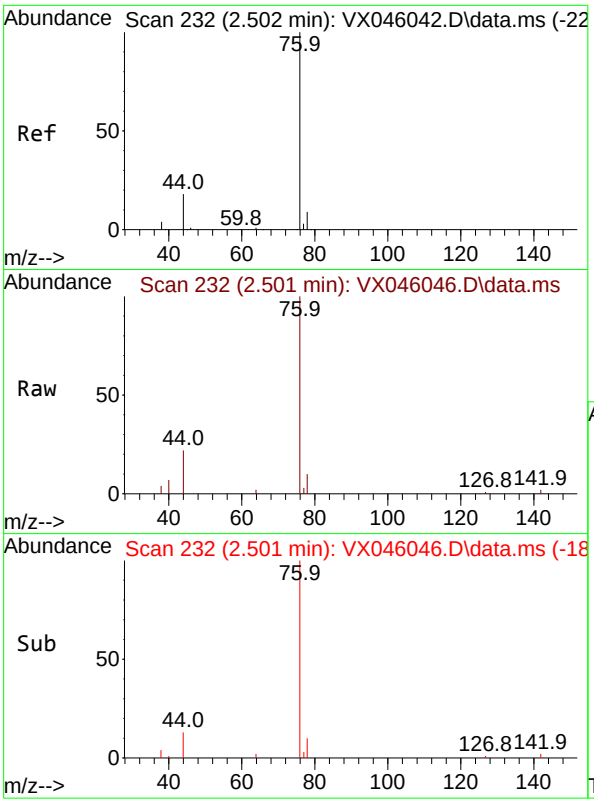


#16
Acetone
Concen: 20.036 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 19773

Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.2	31.8

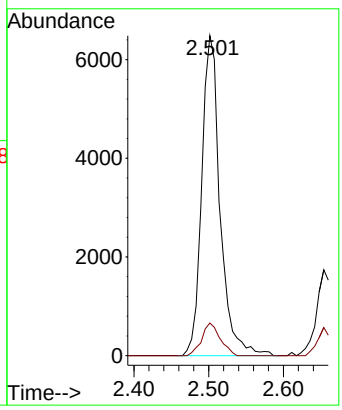




#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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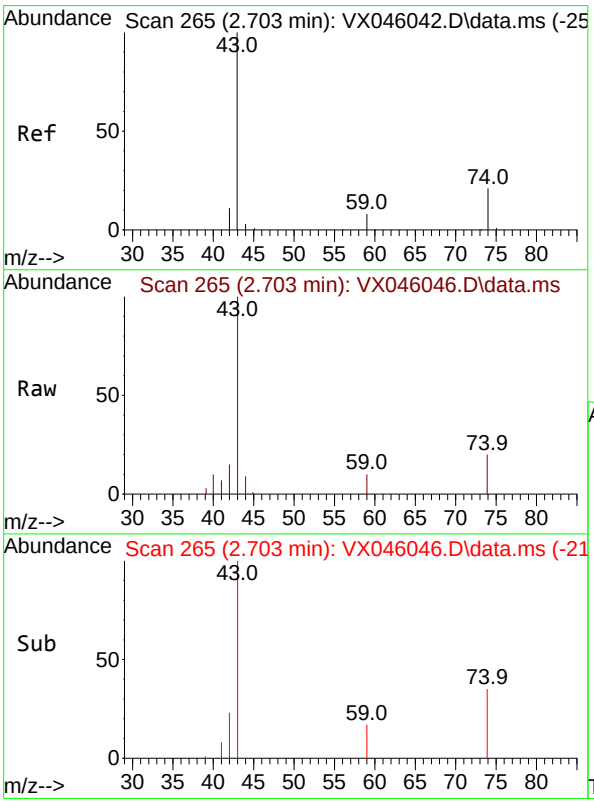
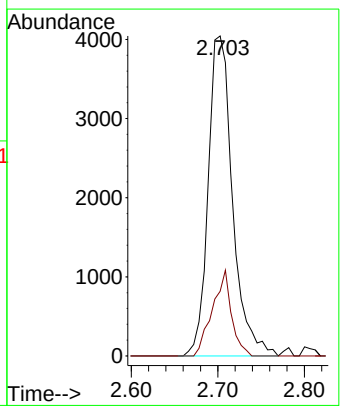
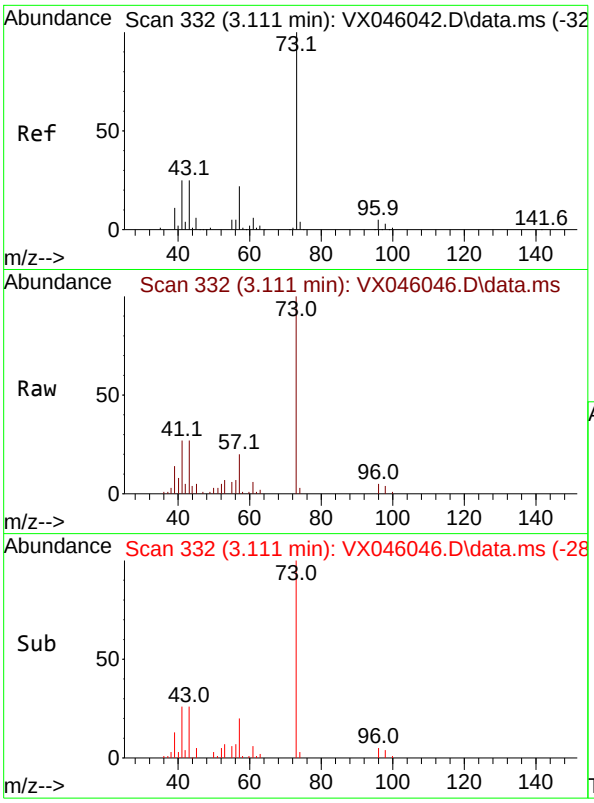


#18
Methyl Acetate
Concen: 3.357 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 7909

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

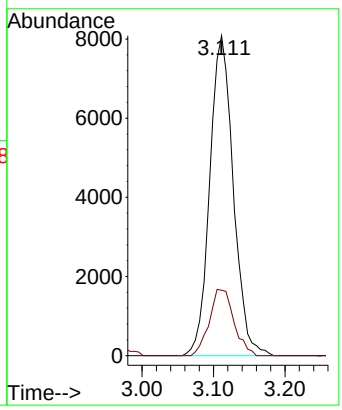




#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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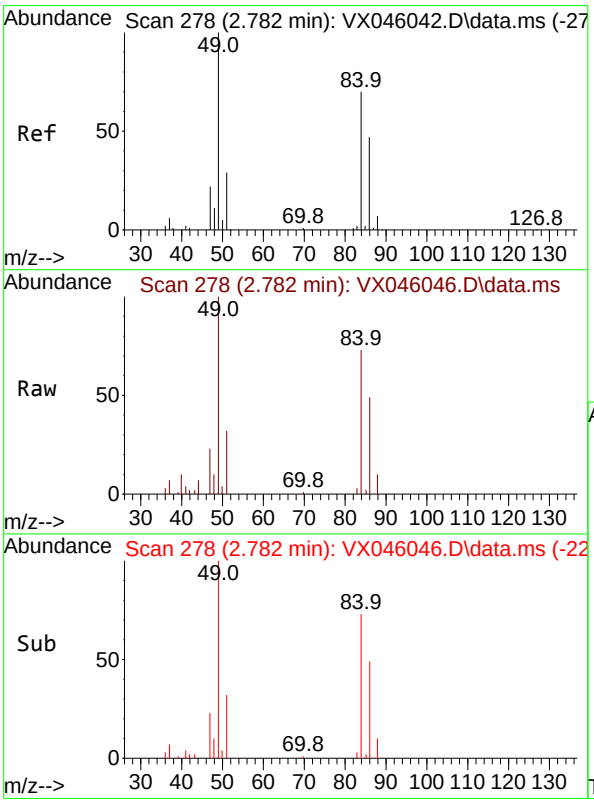
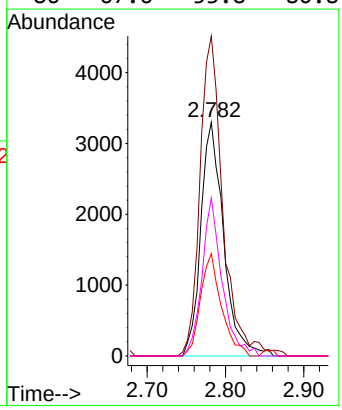
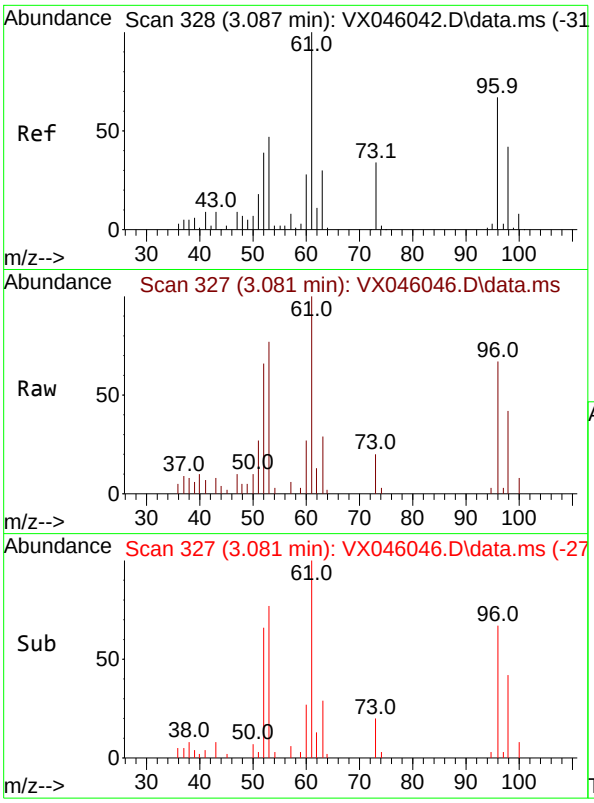


#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

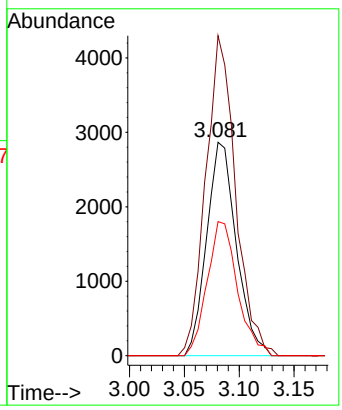




#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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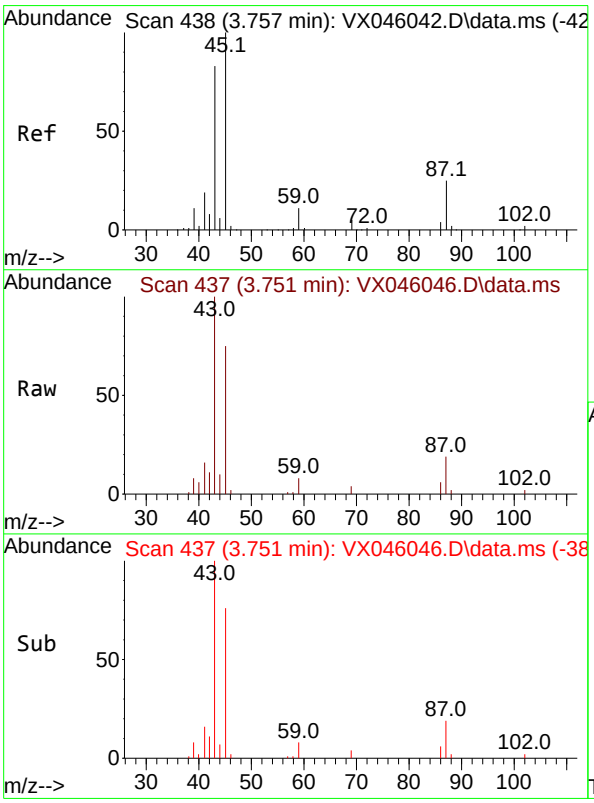
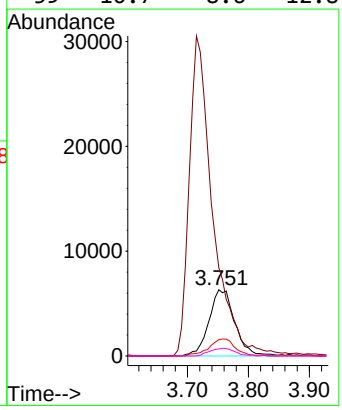
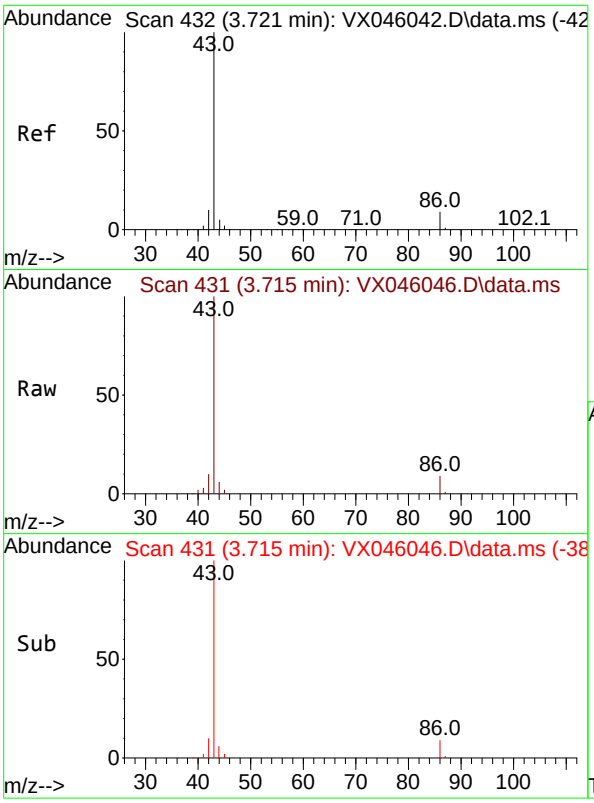


#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Manual Integrations
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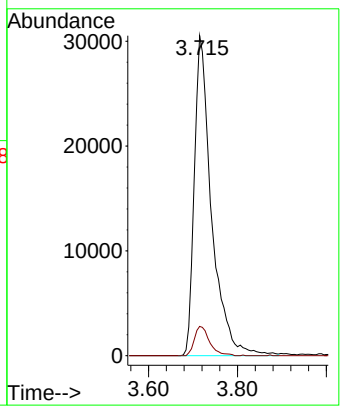
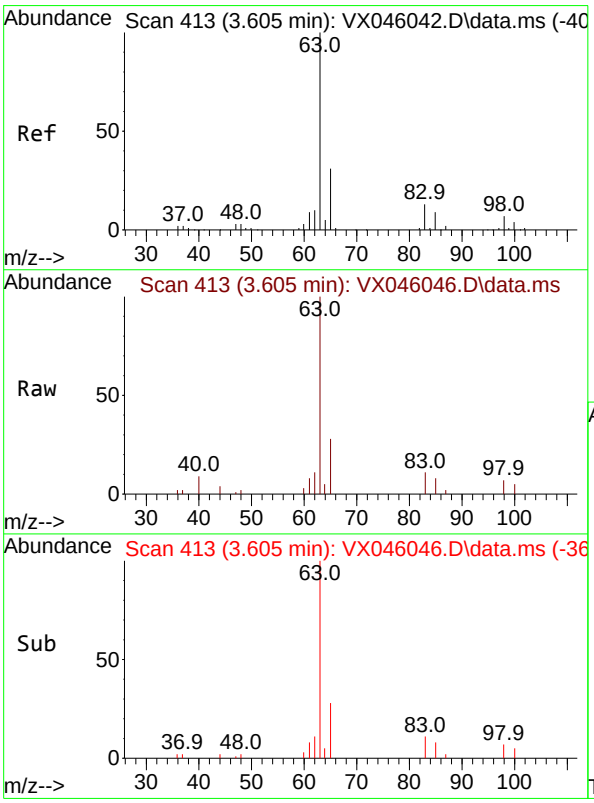
Supervised By :Mahesh Dadoda 05/06/2025

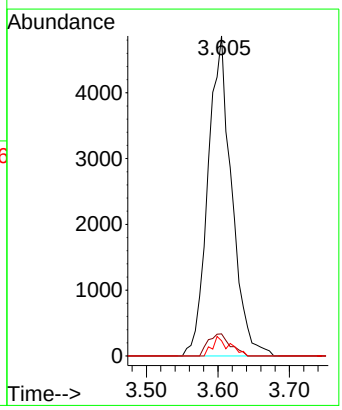


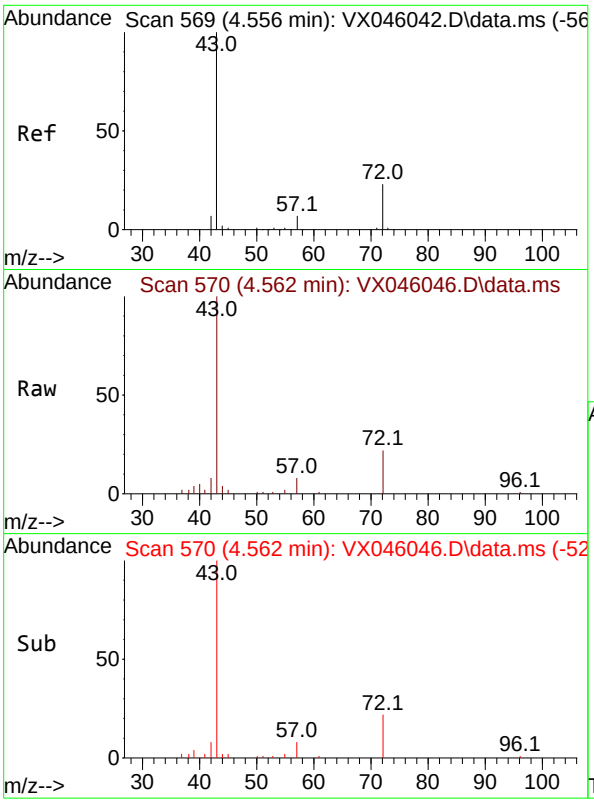


#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Manual Integrations
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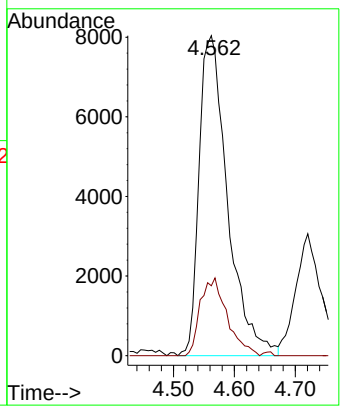
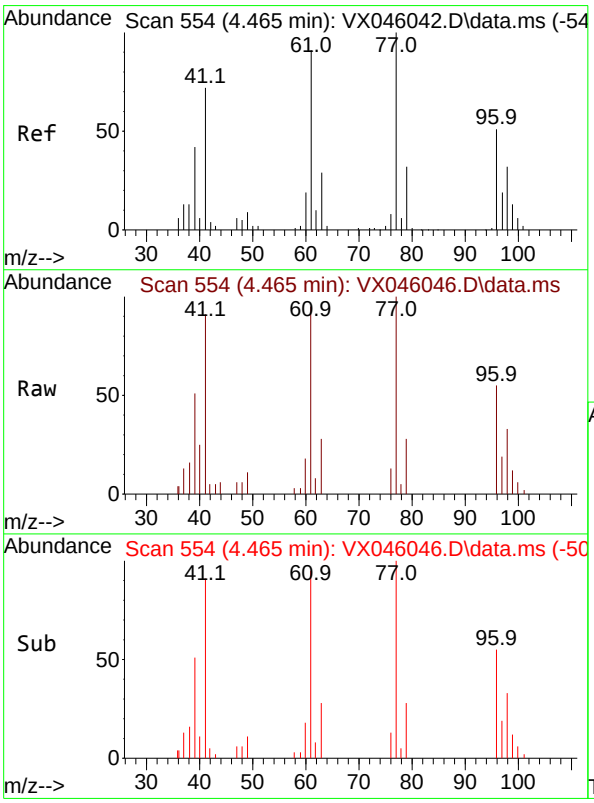
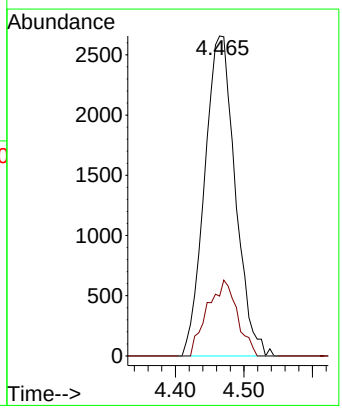


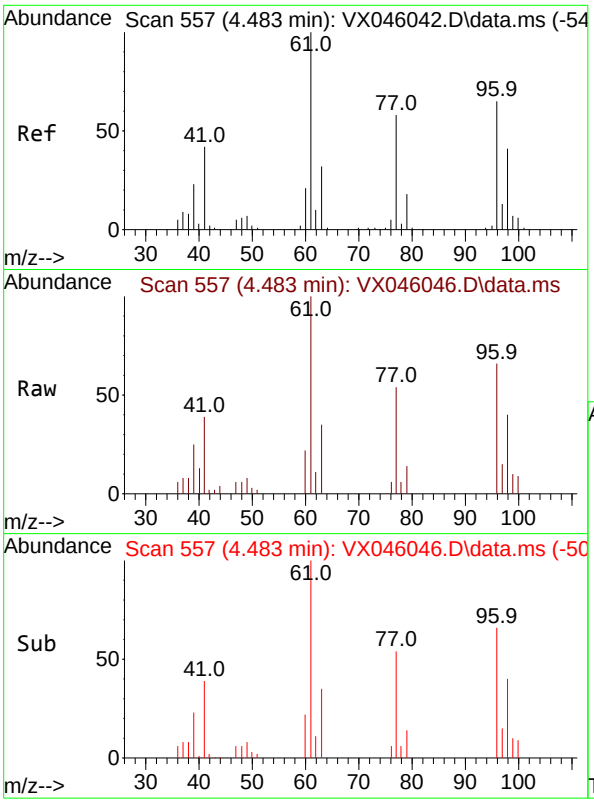


#26
2,2-Dichloropropane
Concen: 3.205 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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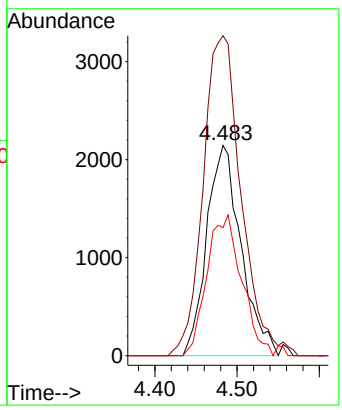
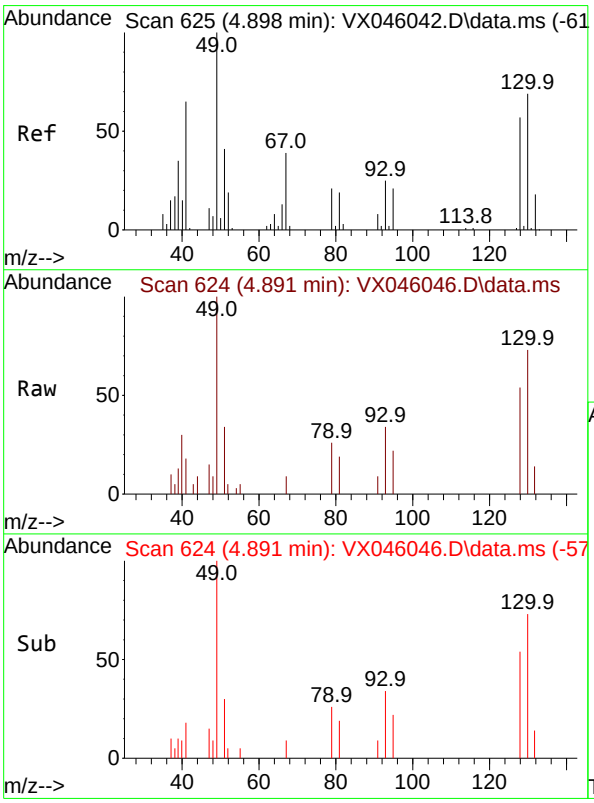
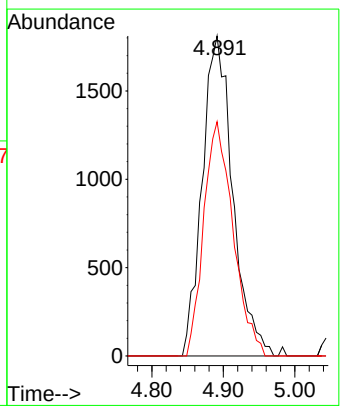


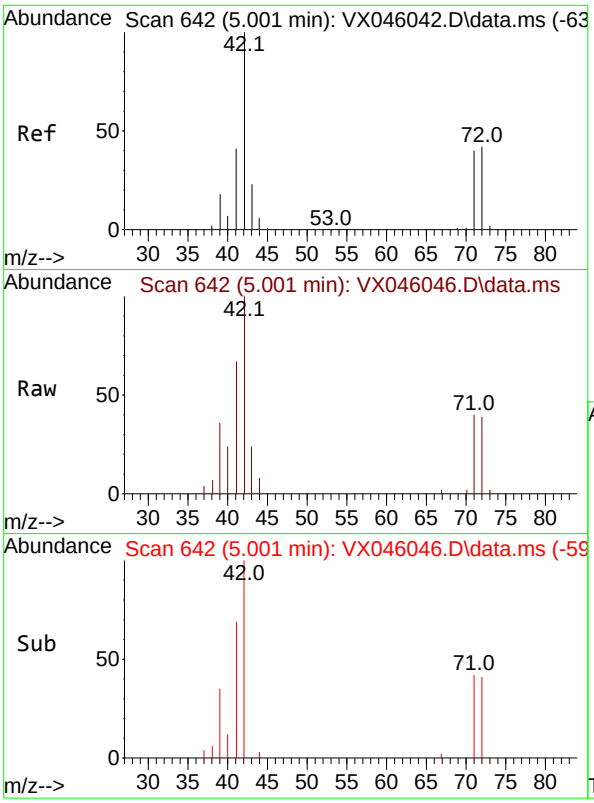


#28
Bromochloromethane
Concen: 2.969 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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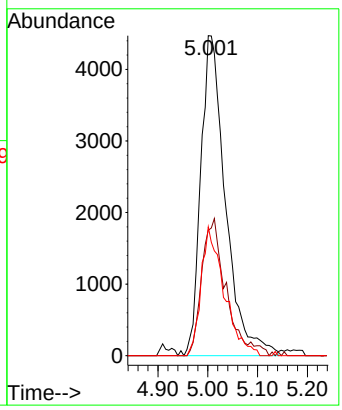
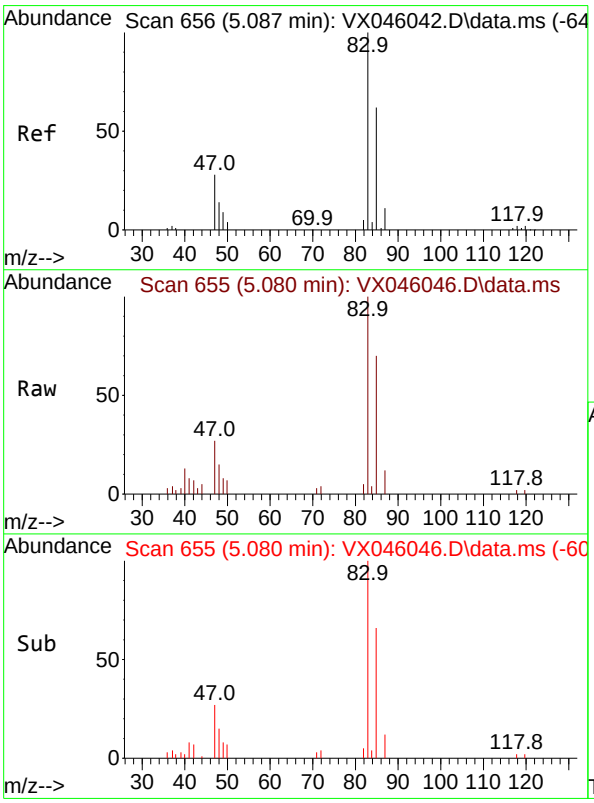
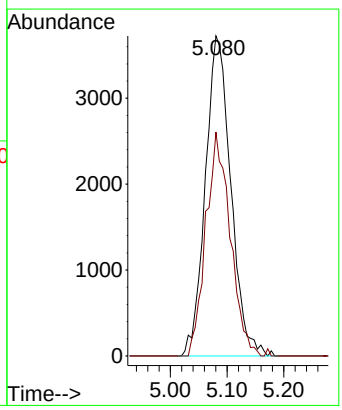


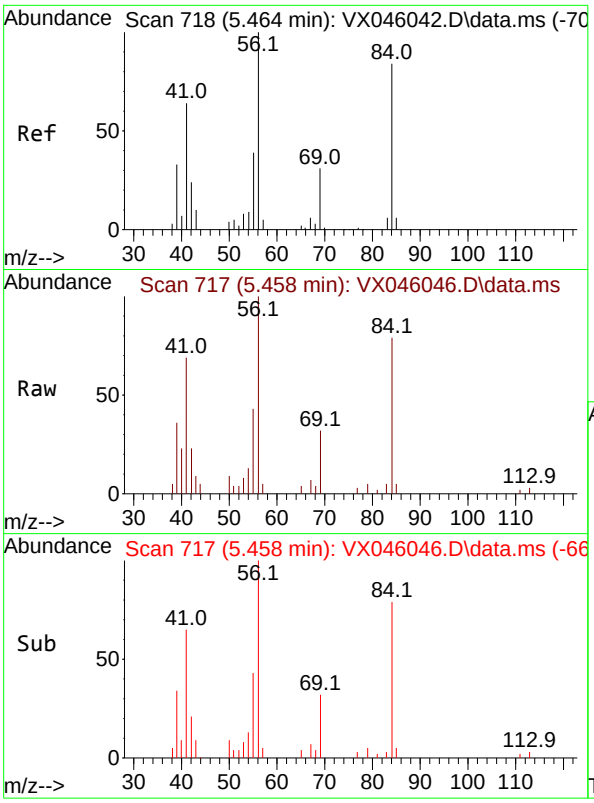


#30
Chloroform
Concen: 3.294 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 11624

Ion	Ratio	Lower	Upper
83	100		
85	69.9	49.3	73.9

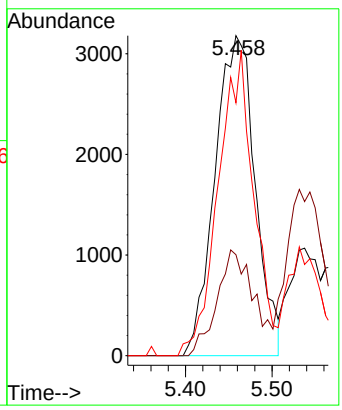




#31
Cyclohexane
Concen: 3.588 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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
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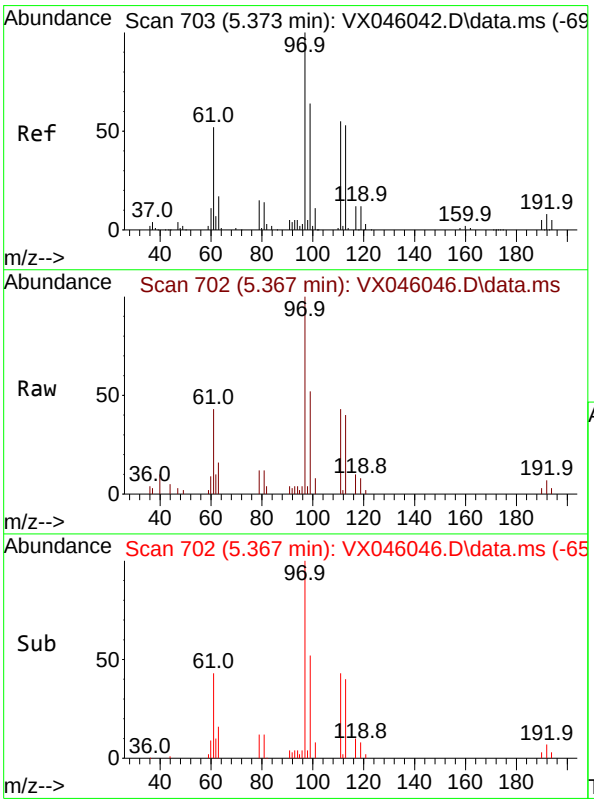
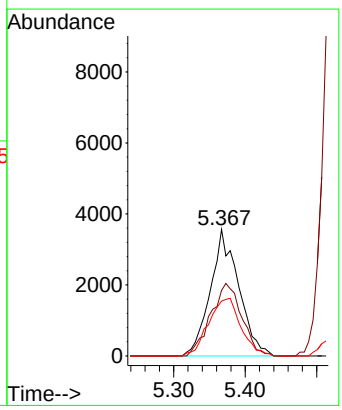
Supervised By :Mahesh Dadoda 05/06/2025

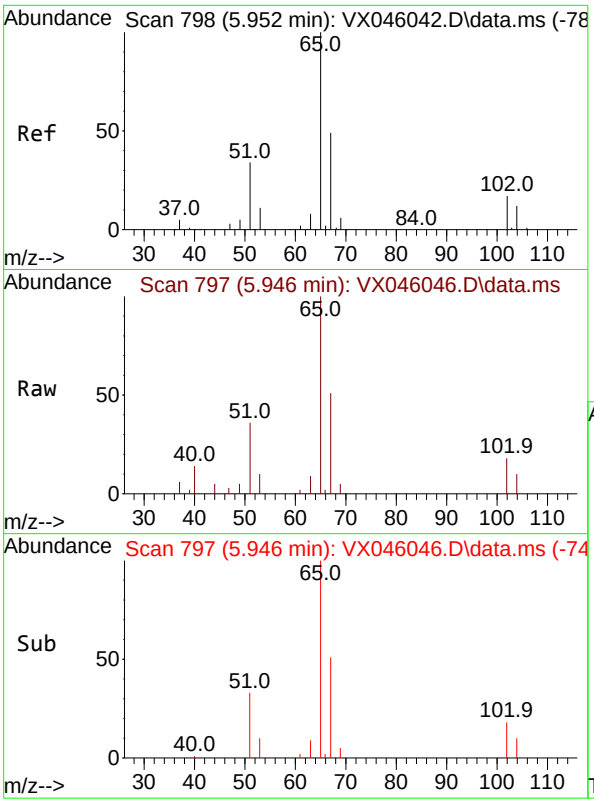


#32
1,1,1-Trichloroethane
Concen: 3.229 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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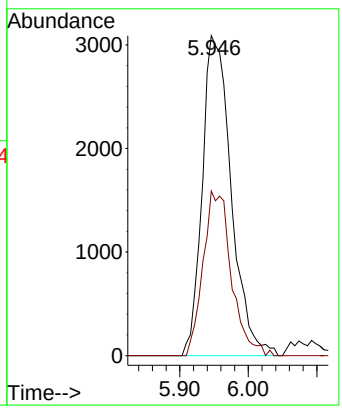
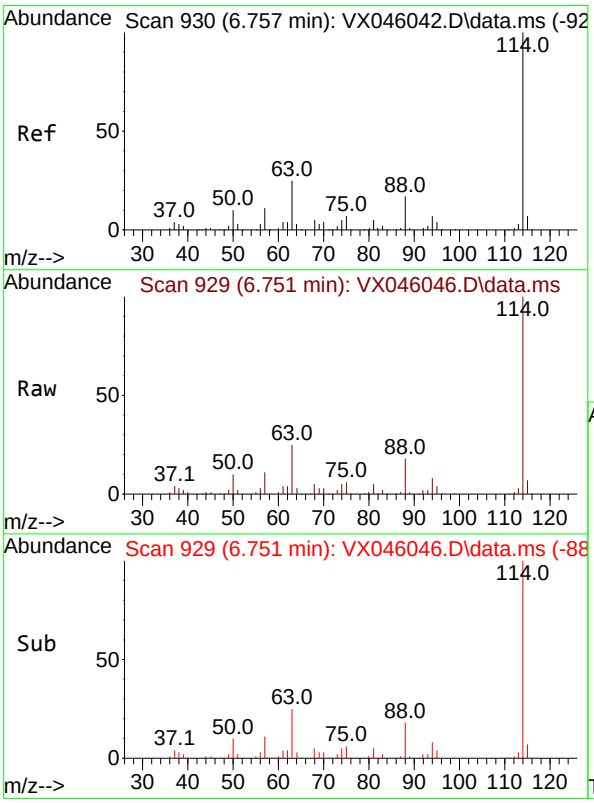
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

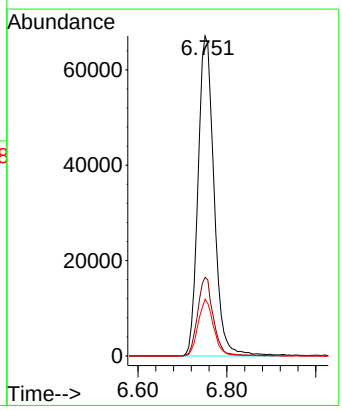


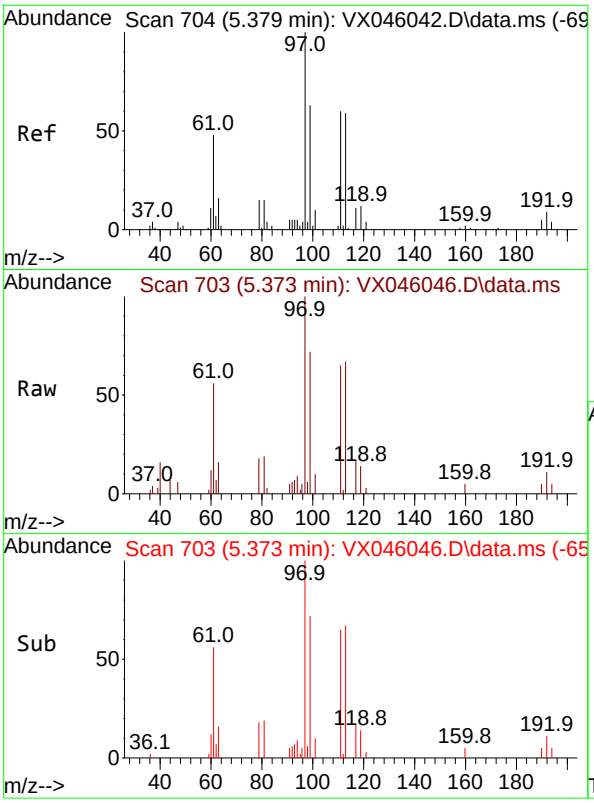


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

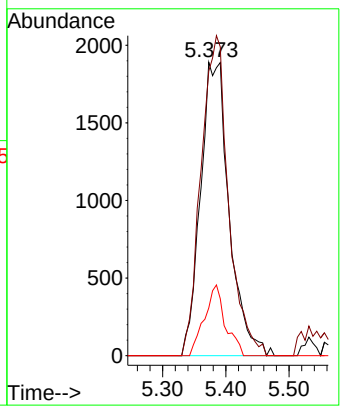




#35
Dibromofluoromethane
Concen: 3.161 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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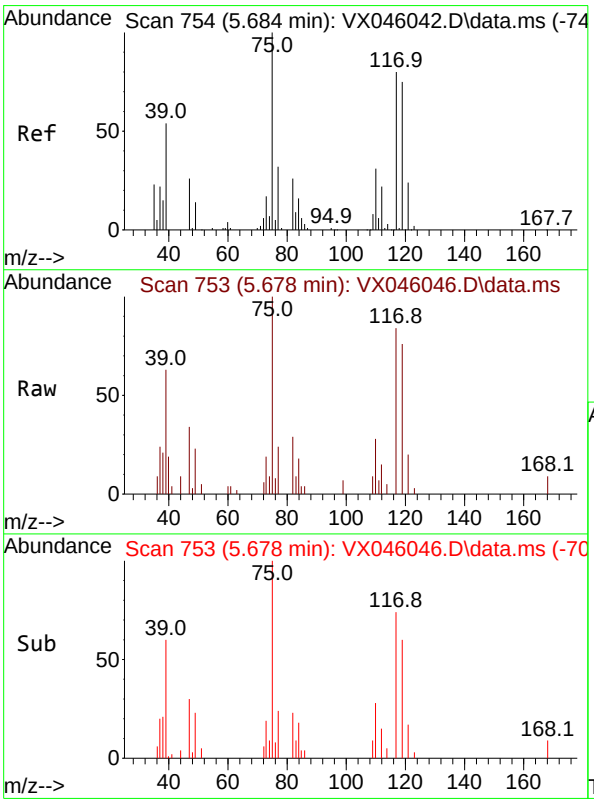
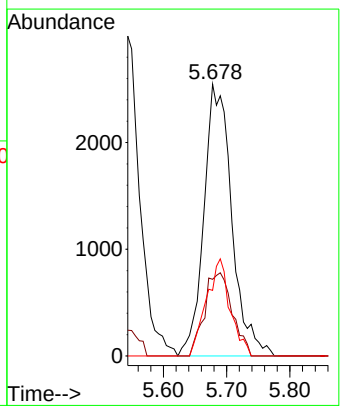
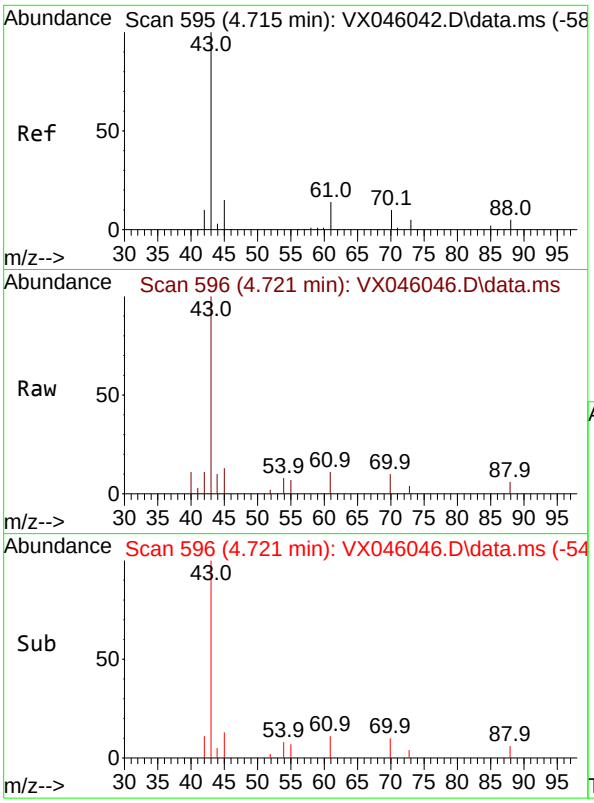


#36
1,1-Dichloropropene
Concen: 3.551 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

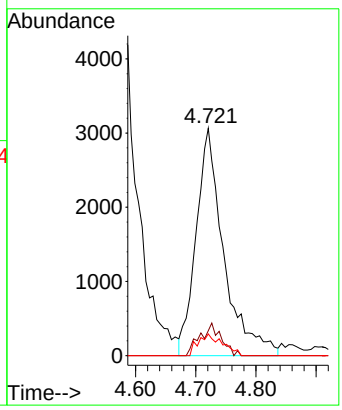




#37
Ethyl Acetate
Concen: 3.565 ug/l m
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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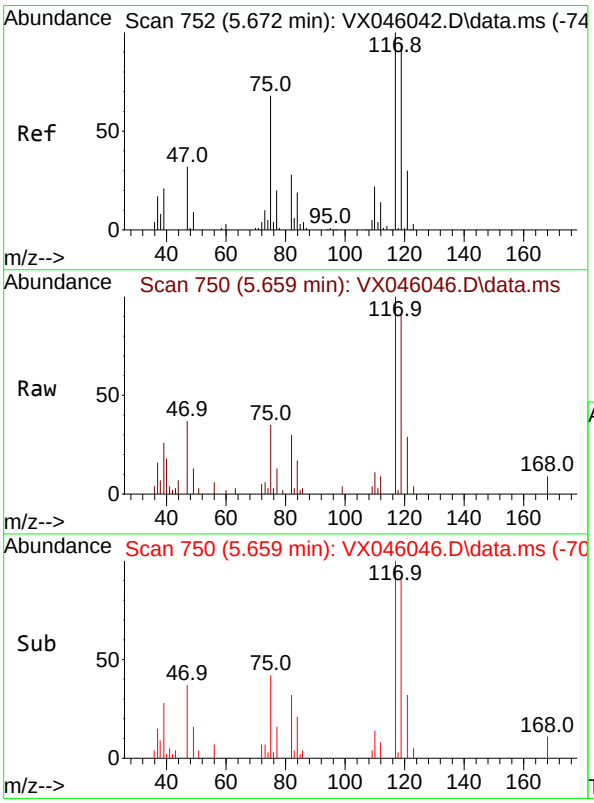
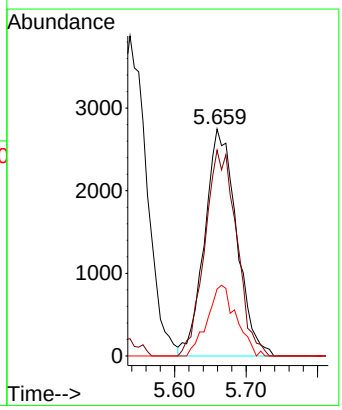
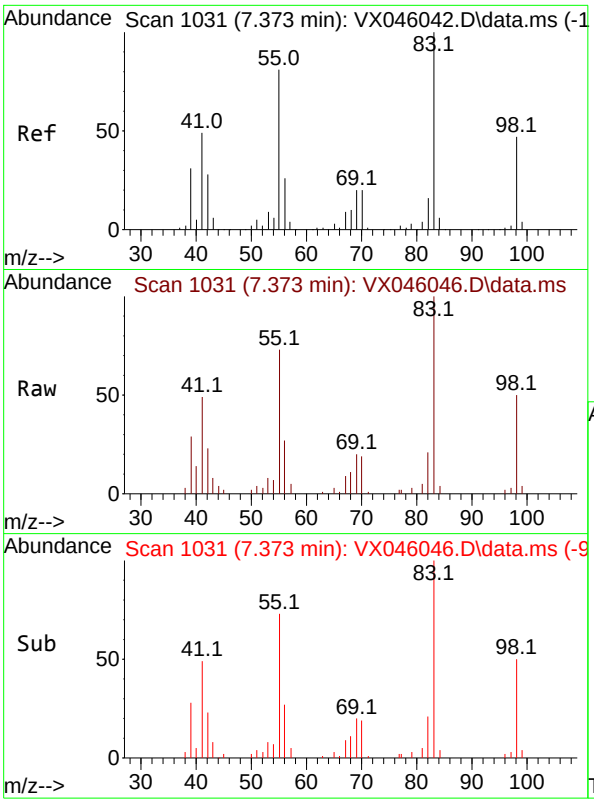


#38
Carbon Tetrachloride
Concen: 3.376 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

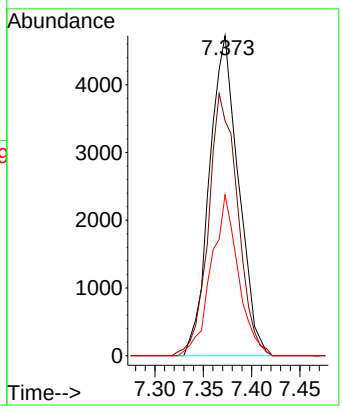




#39
Methylcyclohexane
Concen: 3.597 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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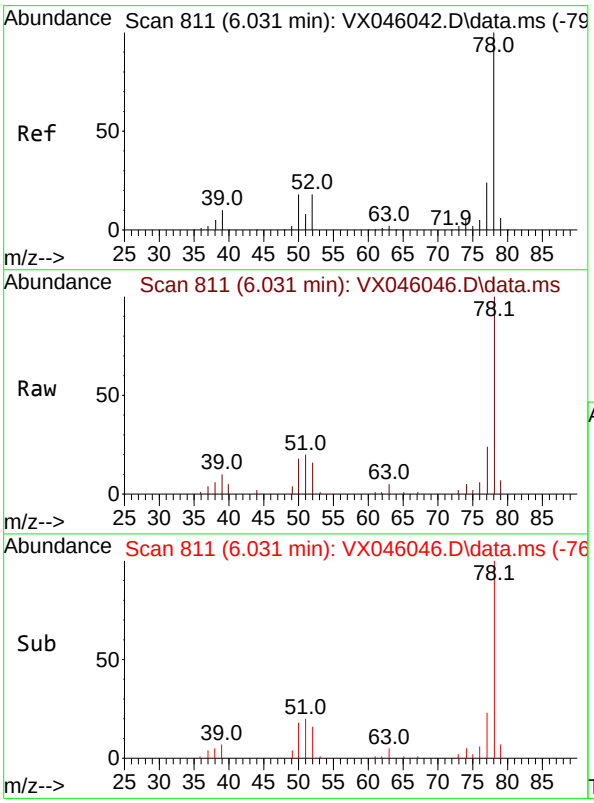
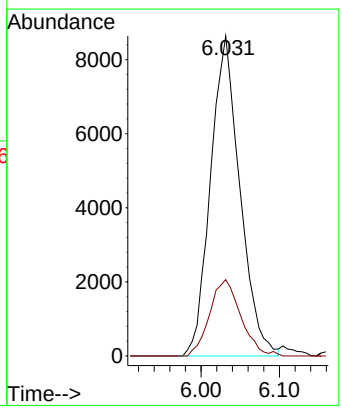
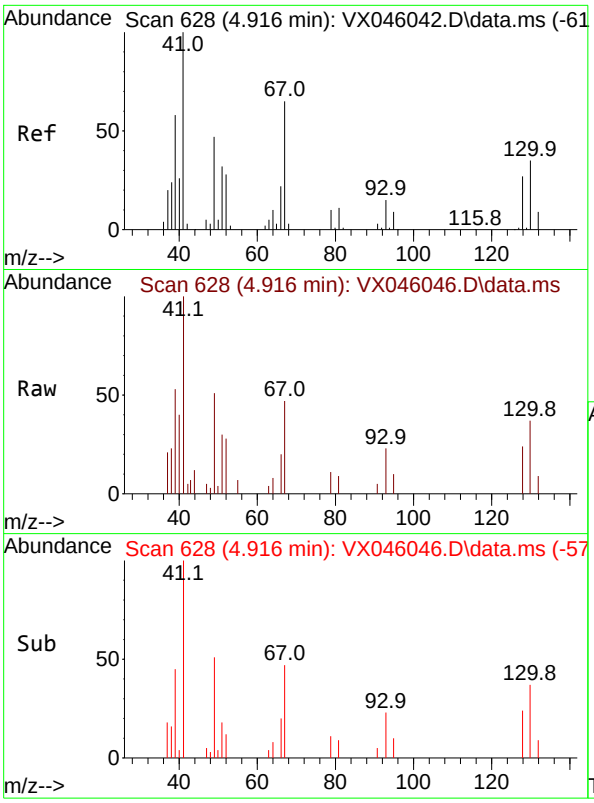


#40
Benzene
Concen: 3.315 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 78 Resp: 22528

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

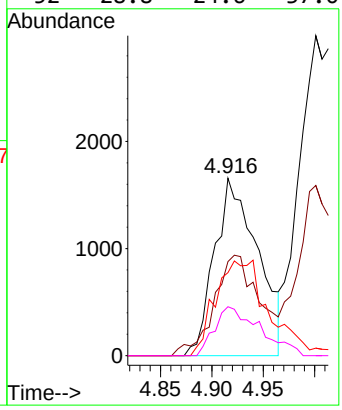




#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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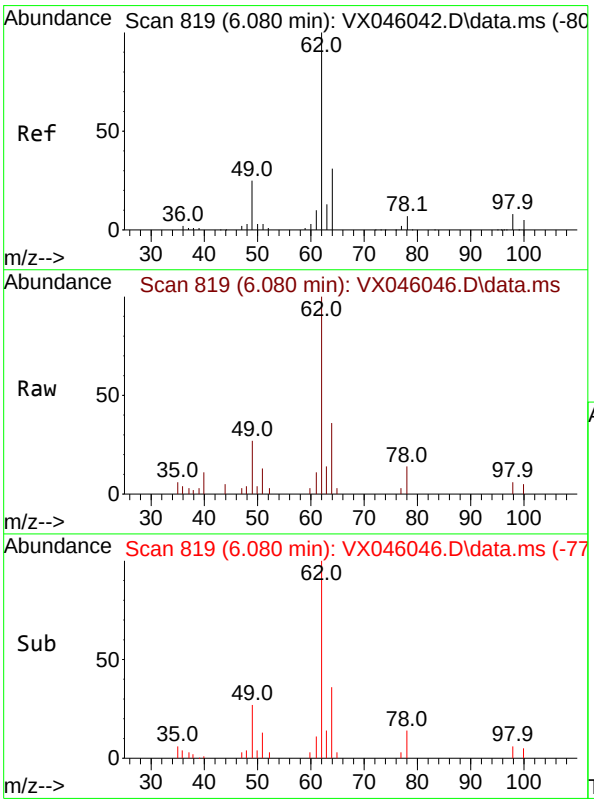
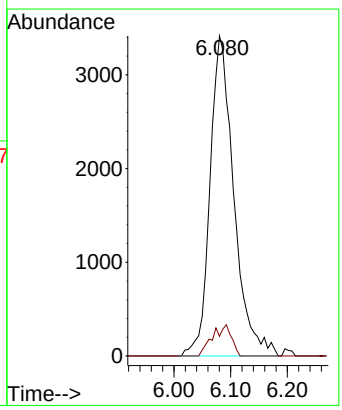
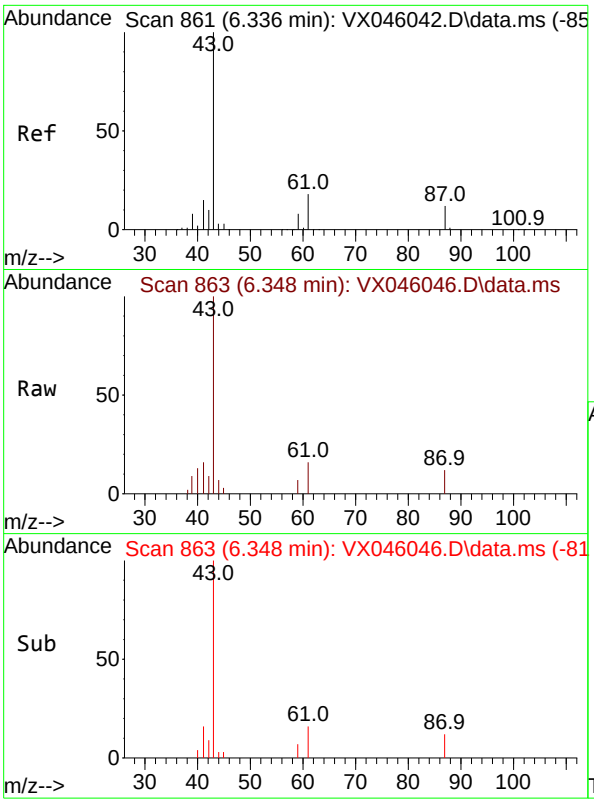


#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

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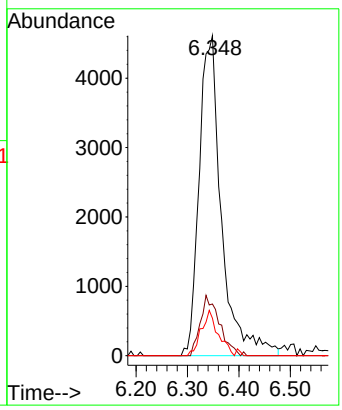
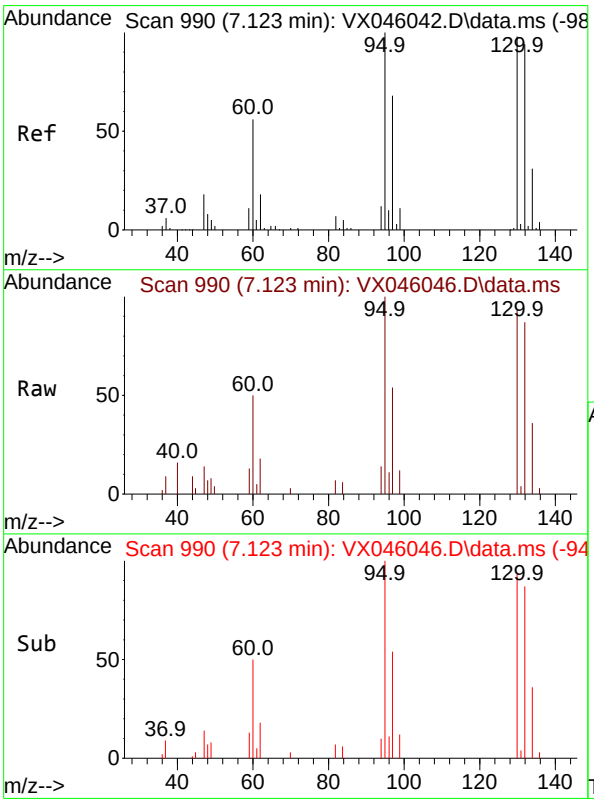
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

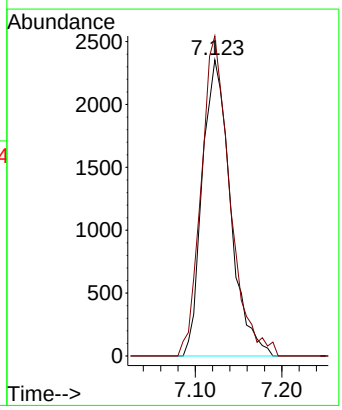


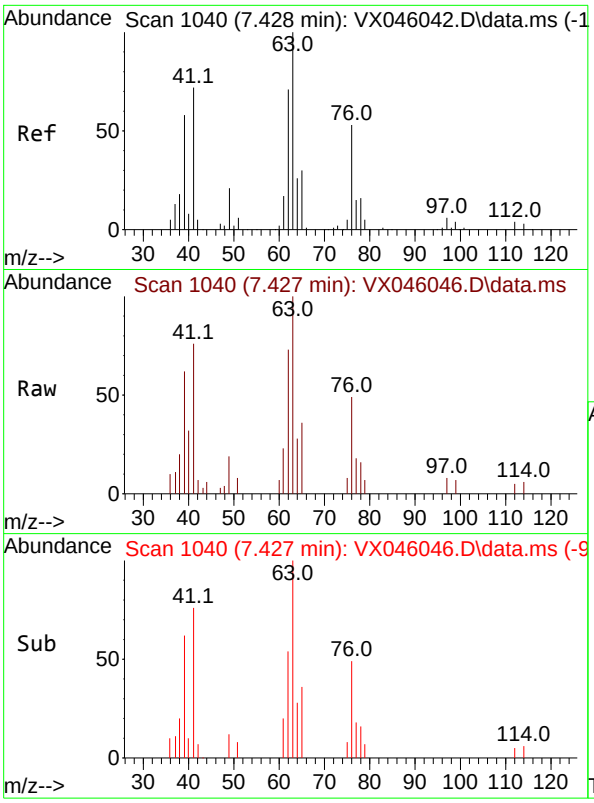


#44
Trichloroethene
Concen: 3.307 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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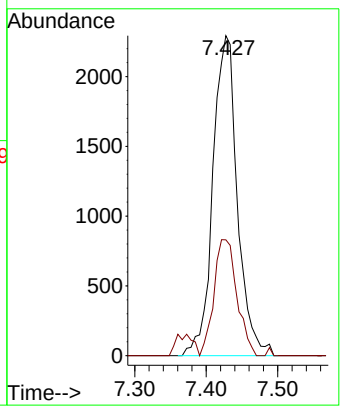
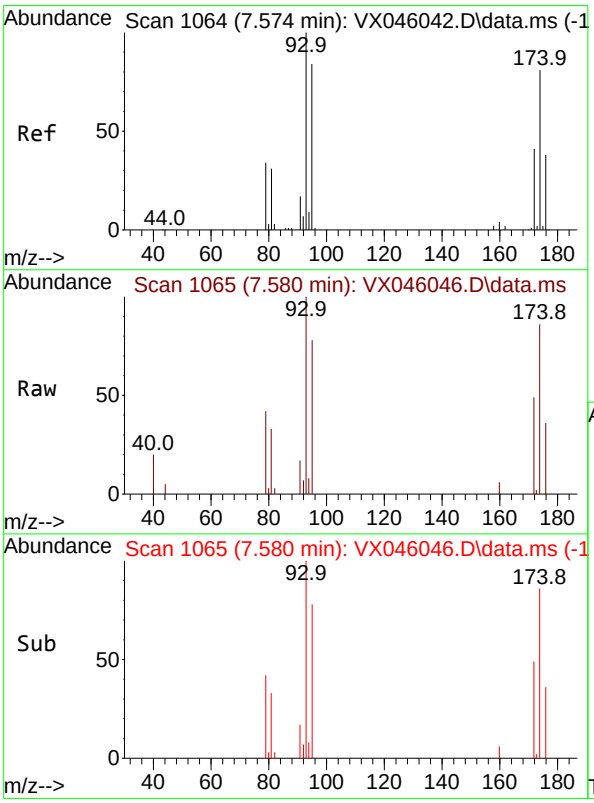
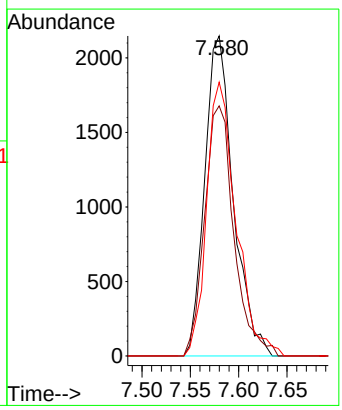


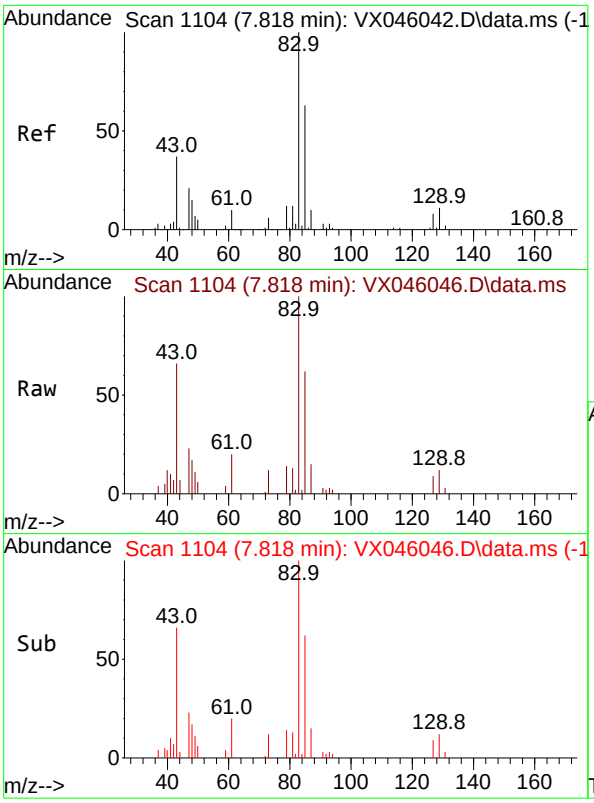


#46
Dibromomethane
Concen: 3.318 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

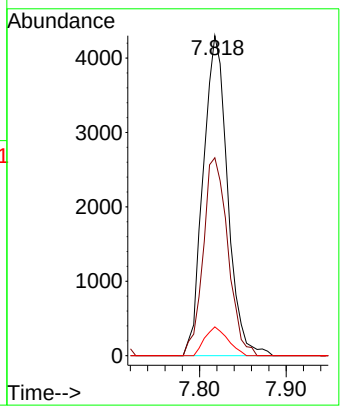




#47
Bromodichloromethane
Concen: 3.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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
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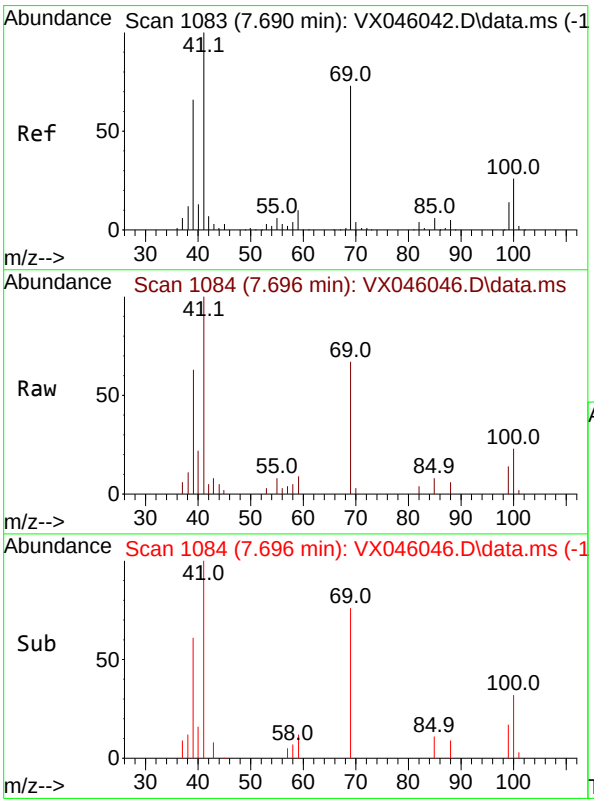
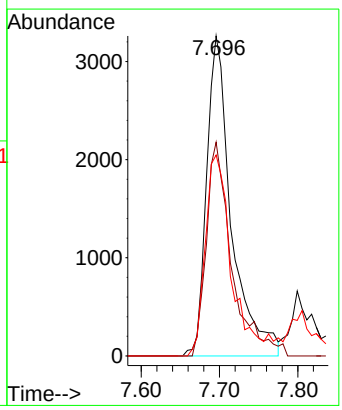
Supervised By :Mahesh Dadoda 05/06/2025

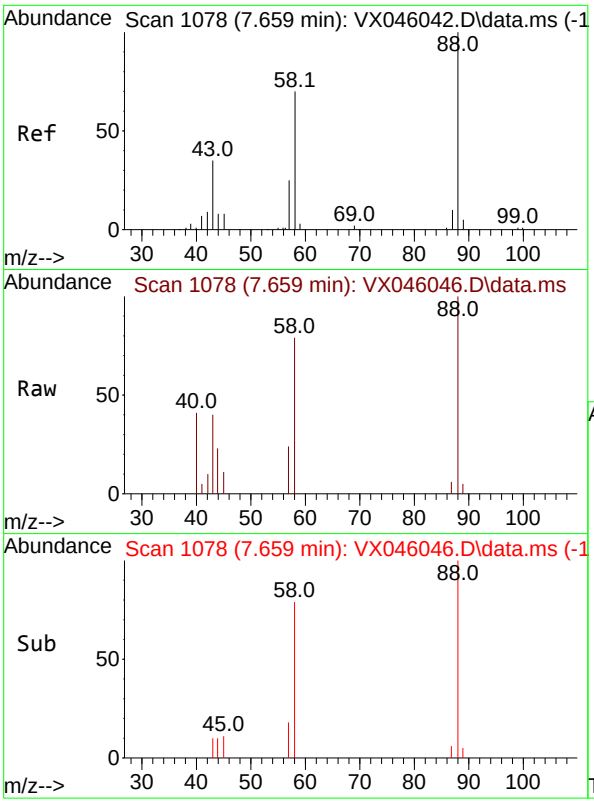


#48
Methyl methacrylate
Concen: 3.321 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

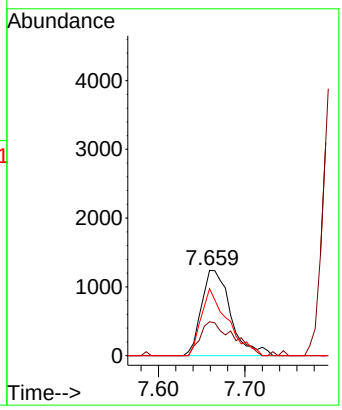




#49
1,4-Dioxane
Concen: 67.721 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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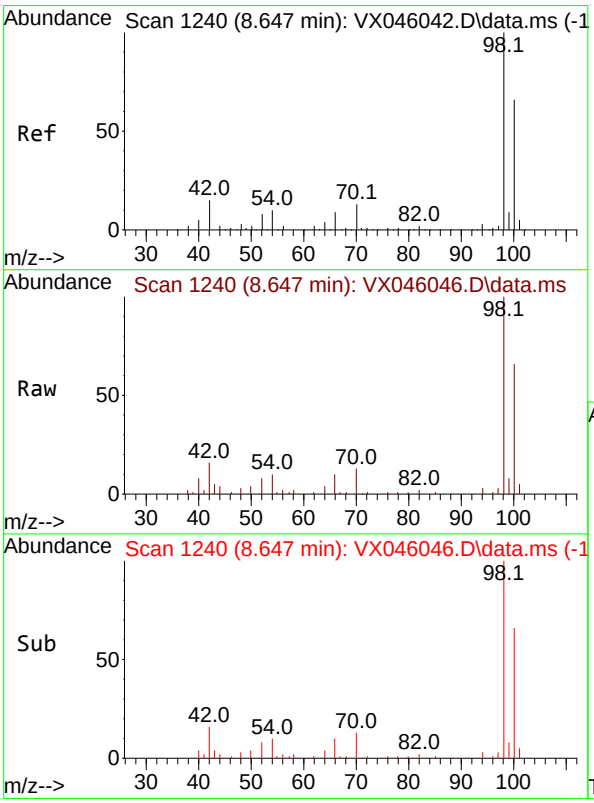
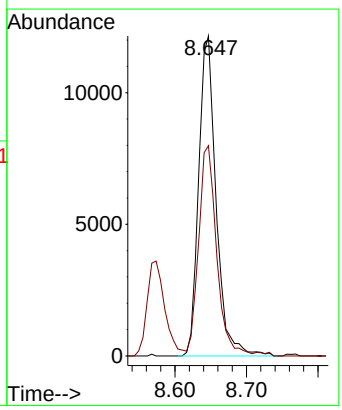
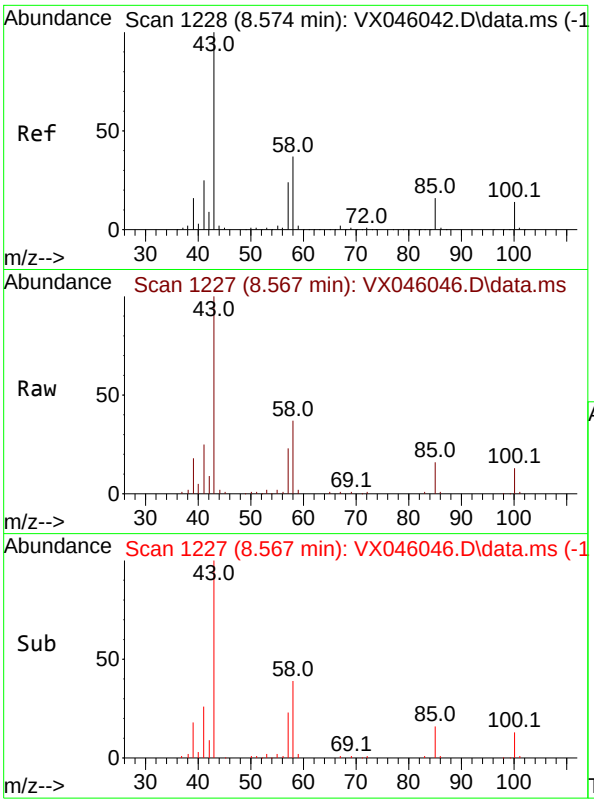


#50
Toluene-d8
Concen: 3.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

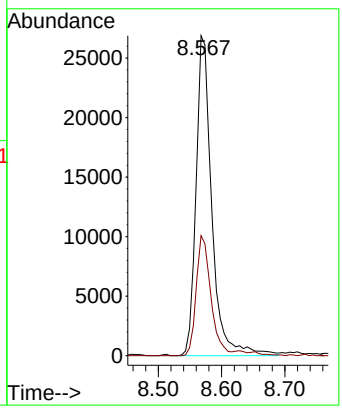
Tgt Ion: 43 Resp: 4679

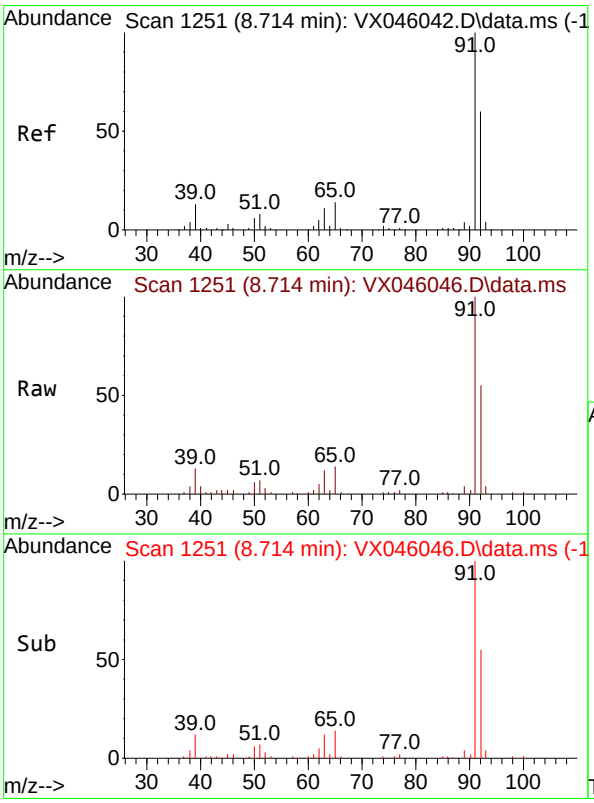
Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

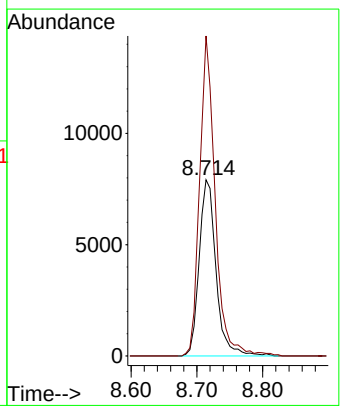


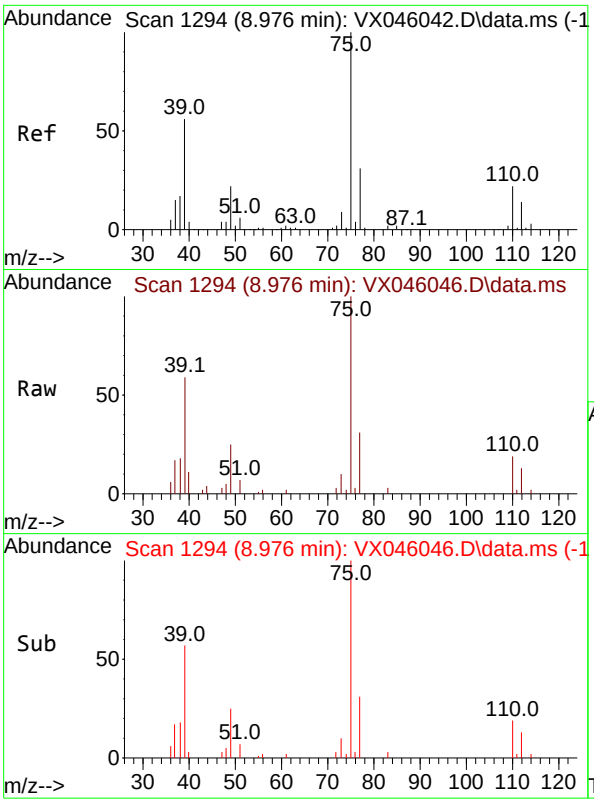


#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126

Ion	Ratio	Lower	Upper
92	100		
91	167.2	136.6	205.0

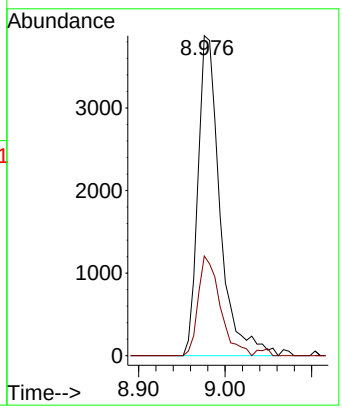




#53
t-1,3-Dichloropropene
Concen: 3.155 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 683

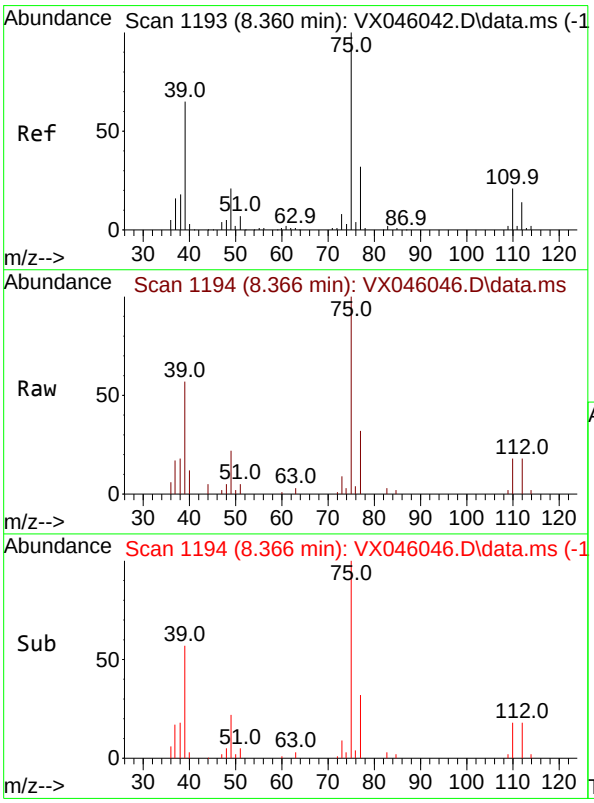
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

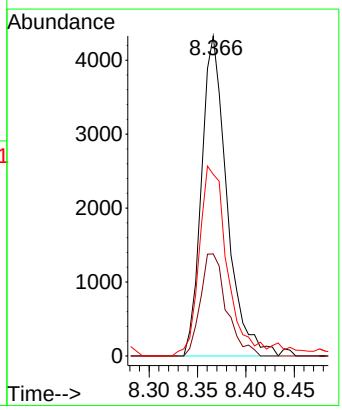
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

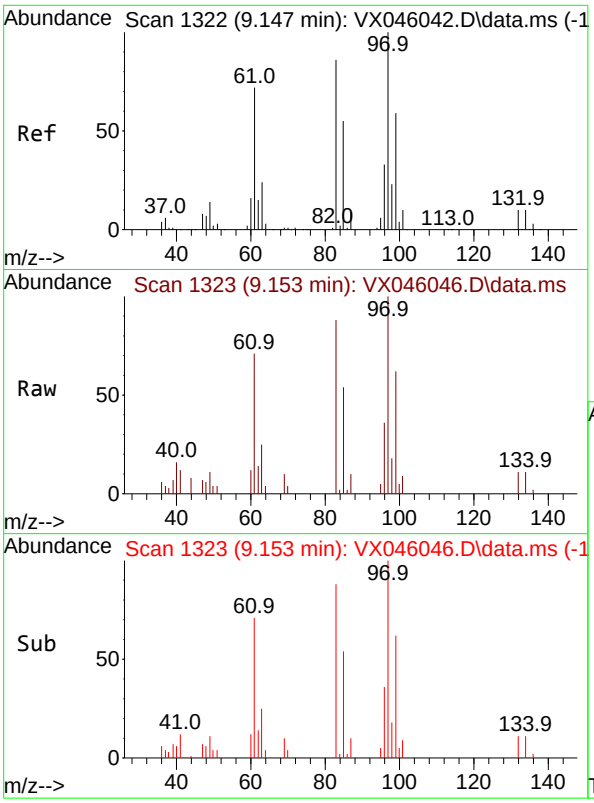


#54
cis-1,3-Dichloropropene
Concen: 3.129 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

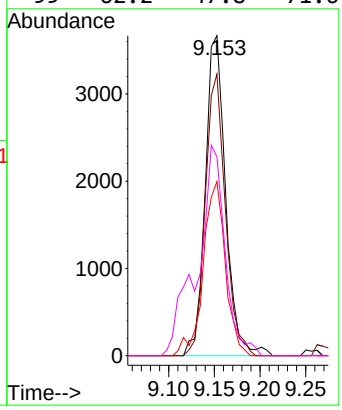




#55
1,1,2-Trichloroethane
Concen: 3.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 568

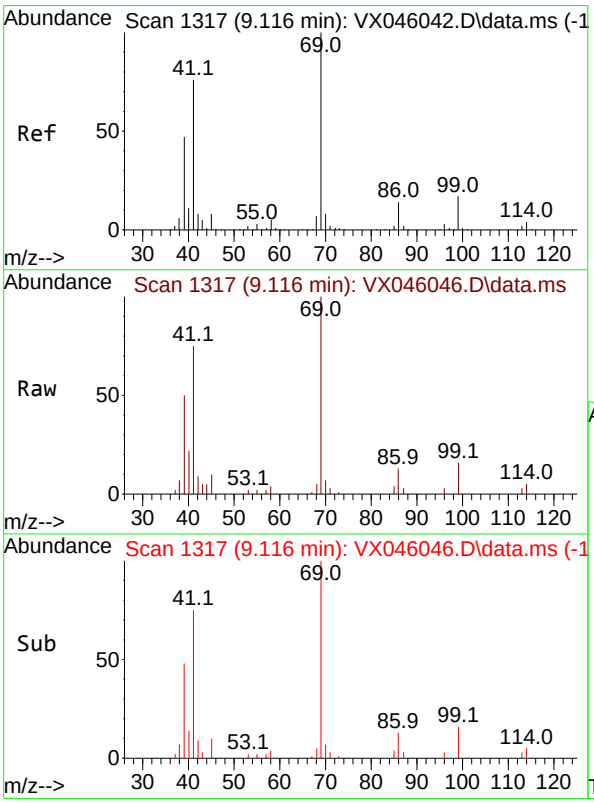
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	54.4	44.3	66.5
99	62.2	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

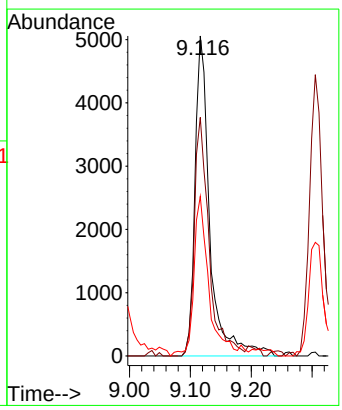
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

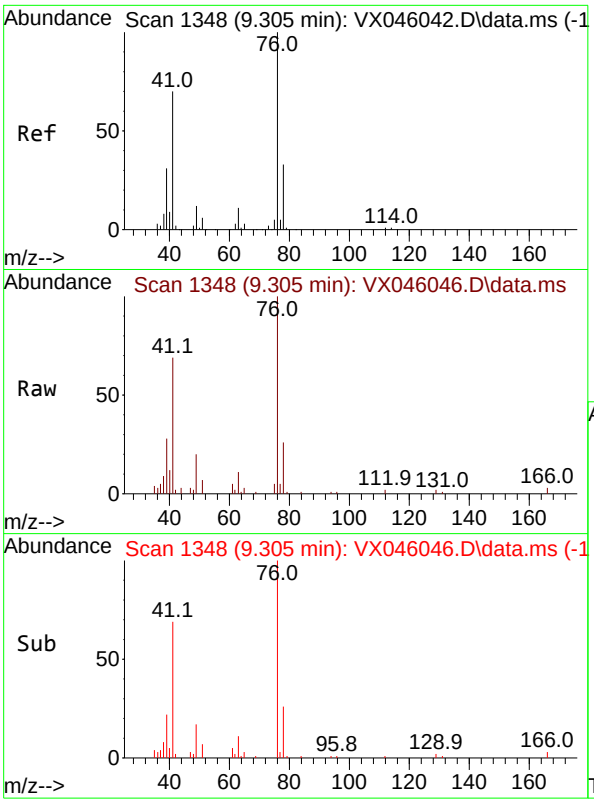


#56
Ethyl methacrylate
Concen: 3.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

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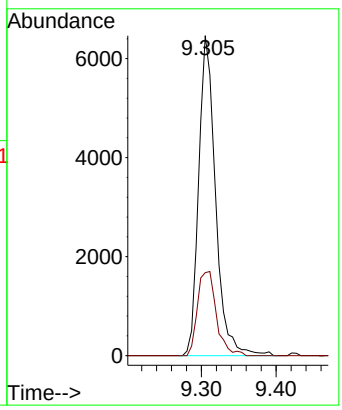
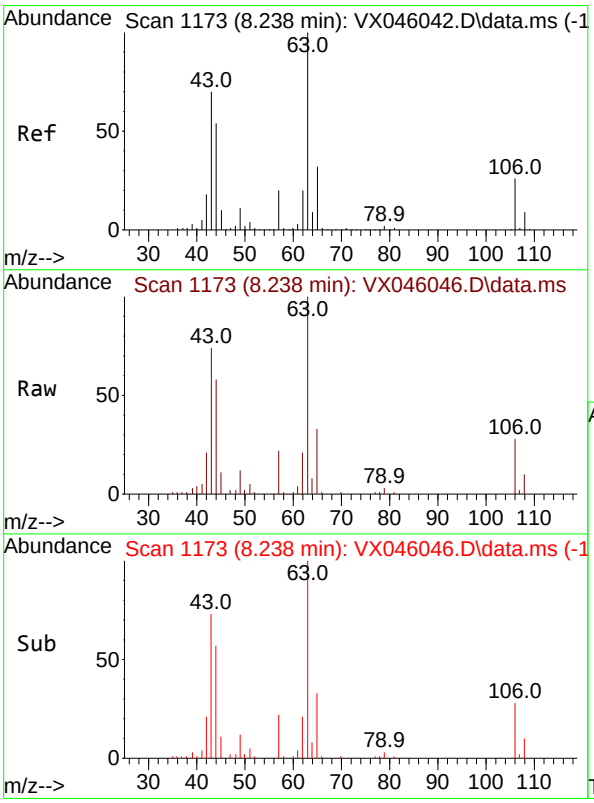
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

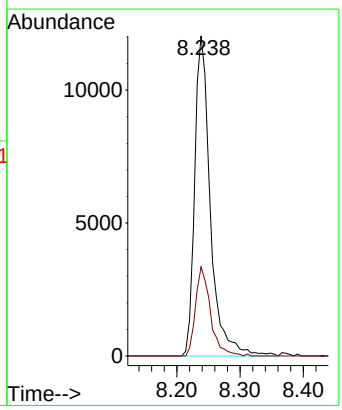


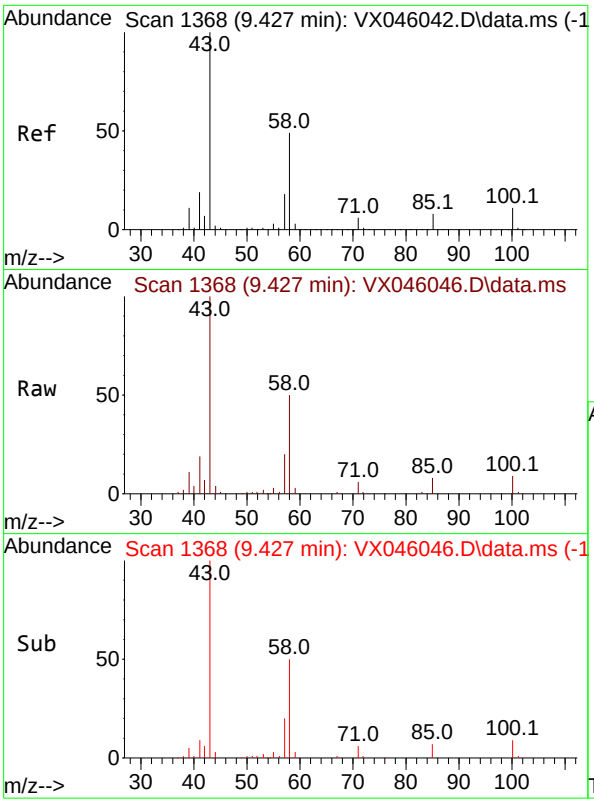


#58
2-Chloroethyl Vinyl ether
Concen: 18.346 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

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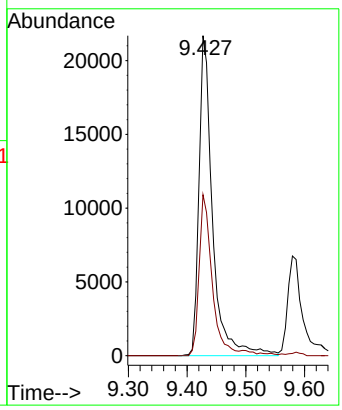
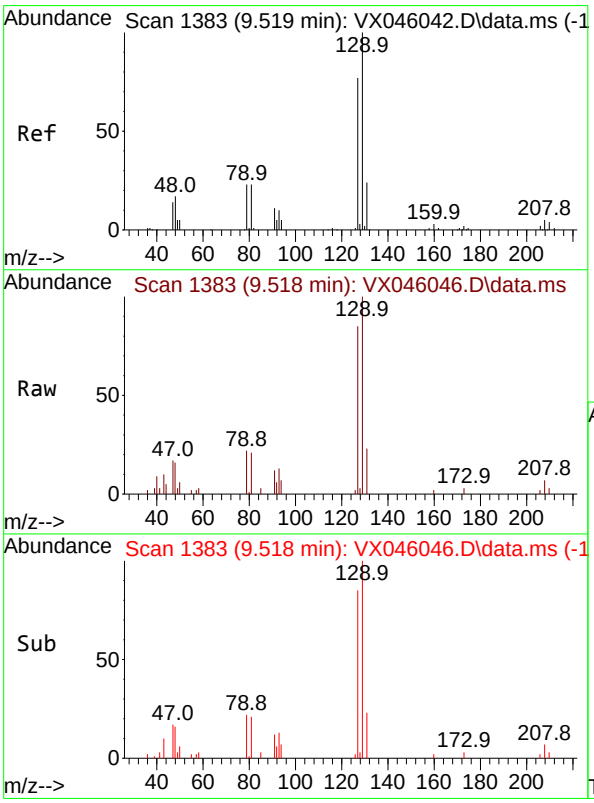
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

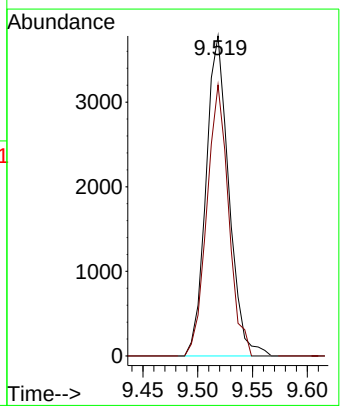


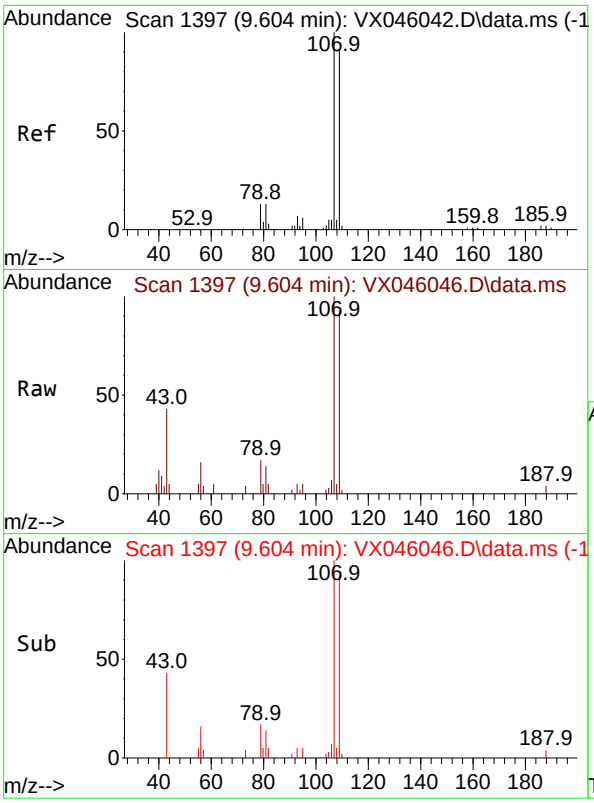


#60
Dibromochloromethane
Concen: 3.102 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:129 Resp: 5500

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.3	117.8

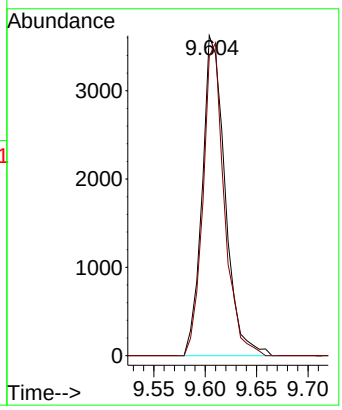




#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:107 Resp: 561

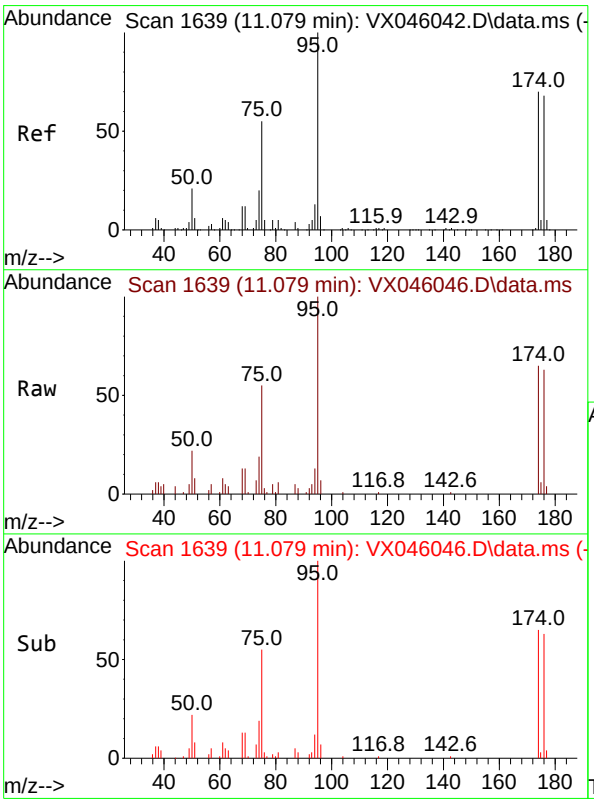
Ion	Ratio	Lower	Upper
107	100		
109	91.0	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

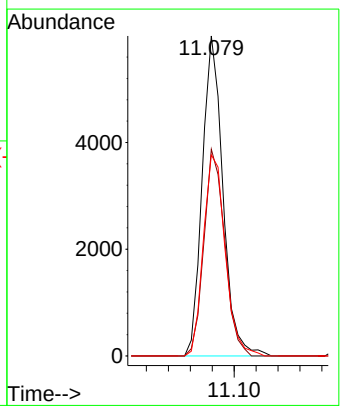
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

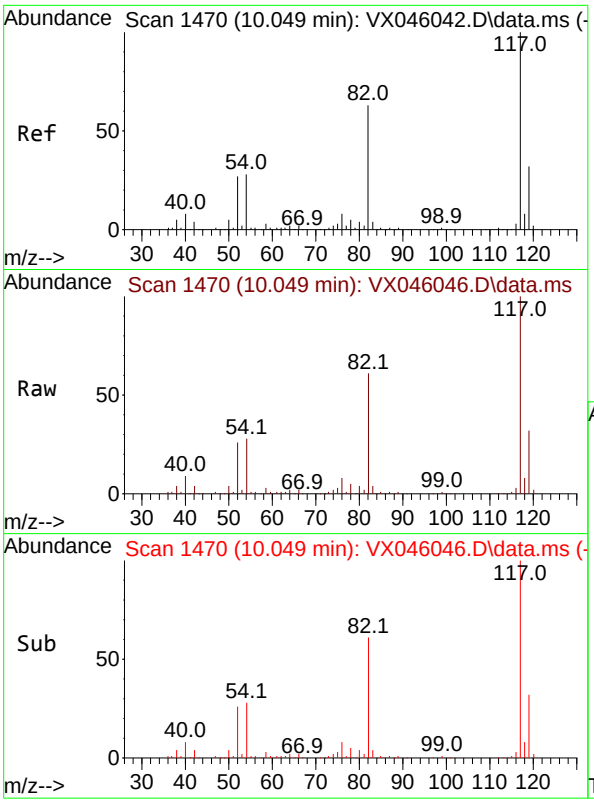


#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

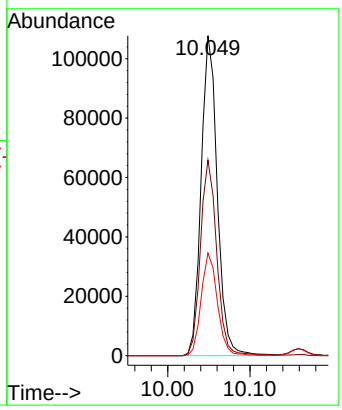




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

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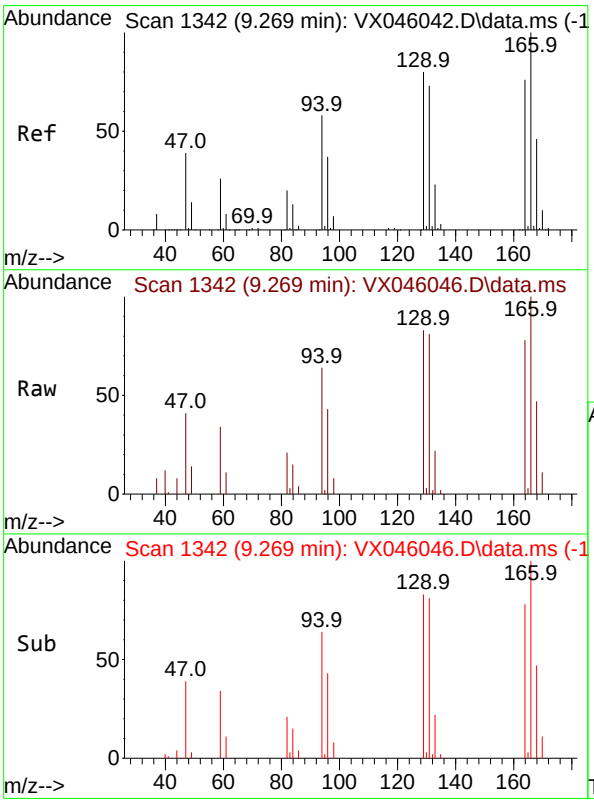
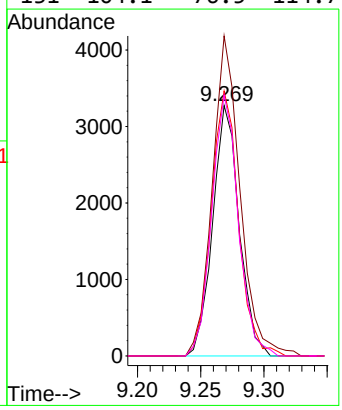
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

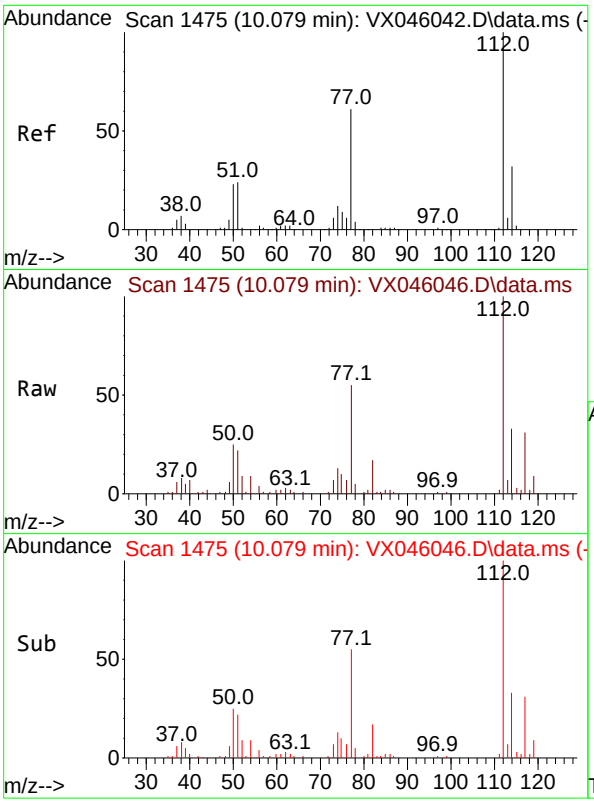


#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

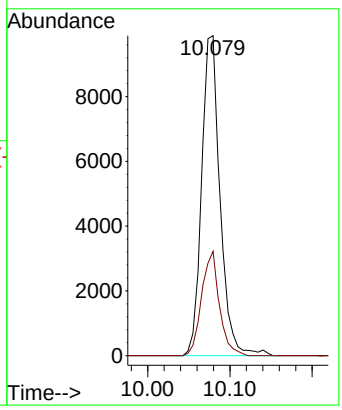




#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:112 Resp: 1539

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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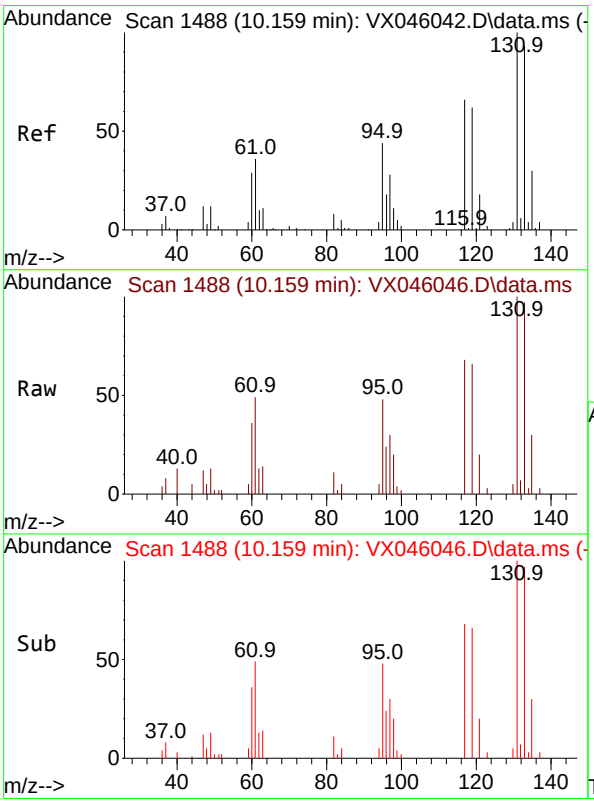
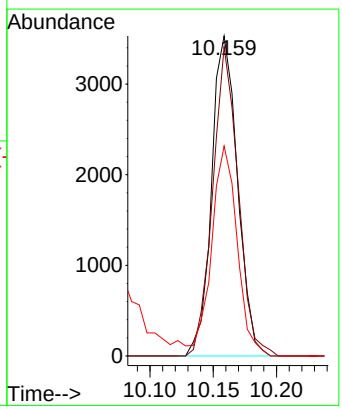
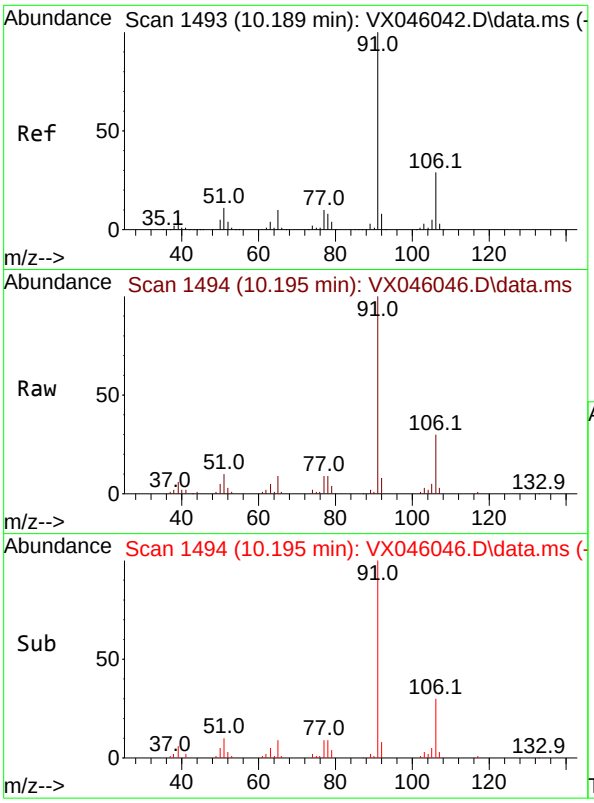


#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

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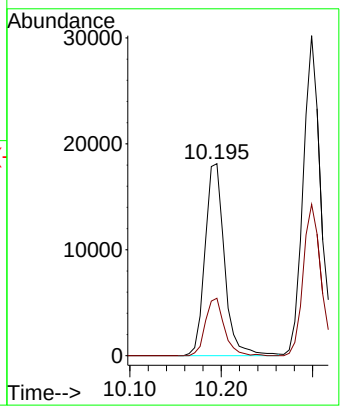
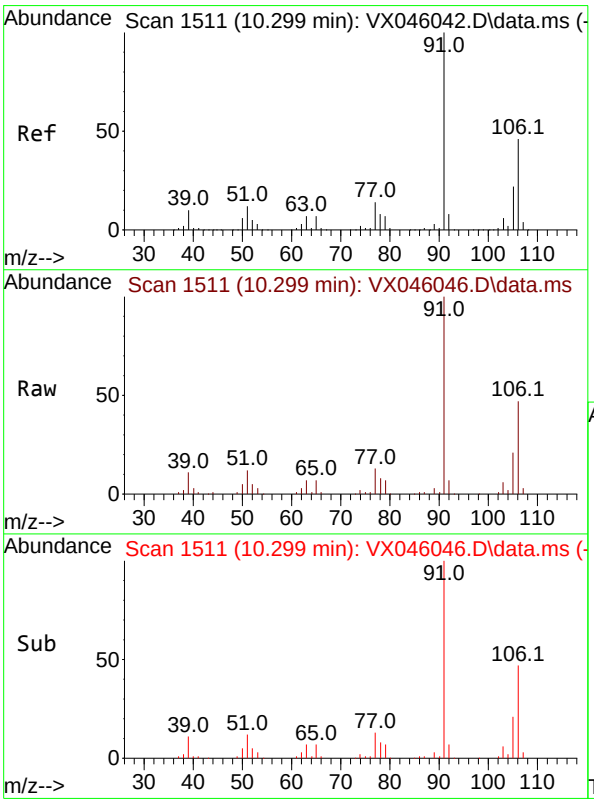
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

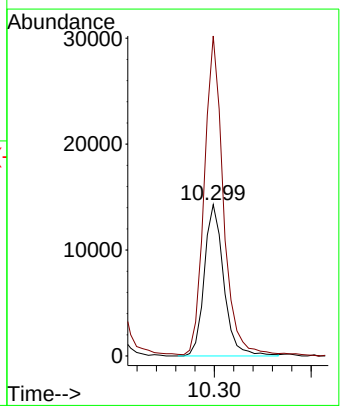


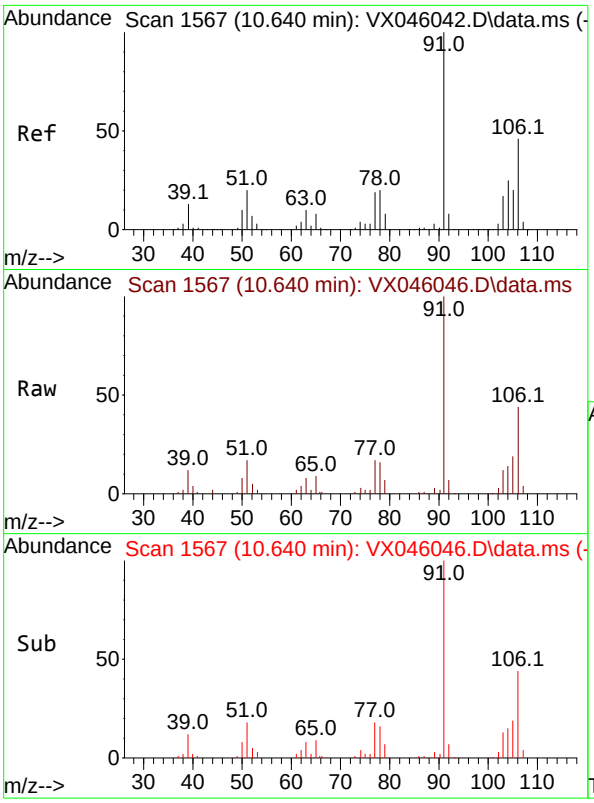


#68
m/p-Xylenes
Concen: 7.156 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 19957

Ion	Ratio	Lower	Upper
106	100		
91	210.1	171.2	256.8

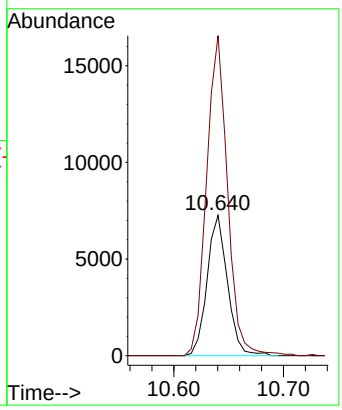




#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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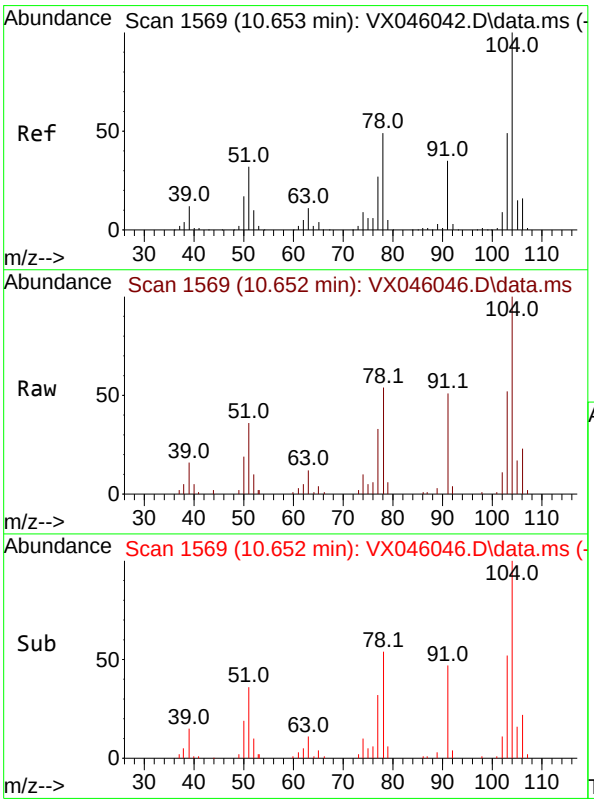
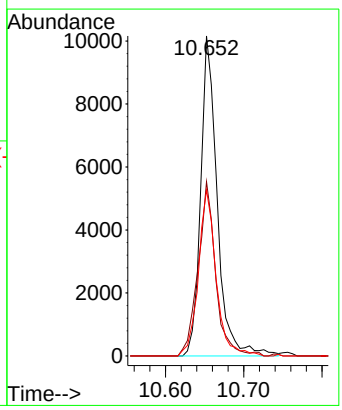
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

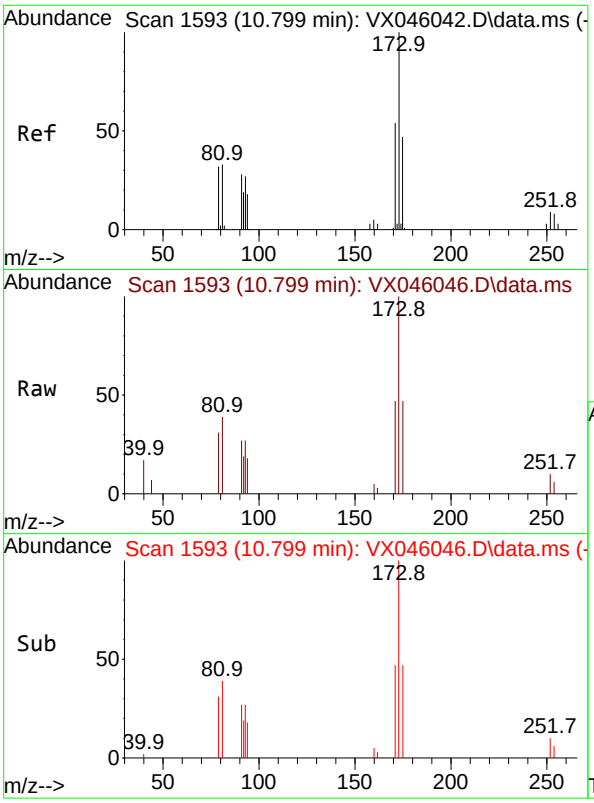


#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

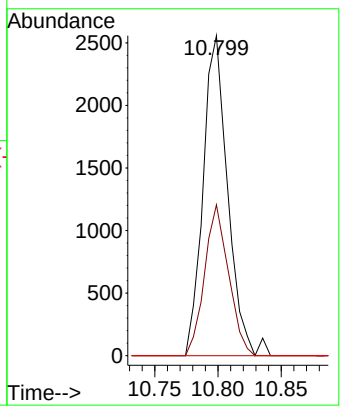




#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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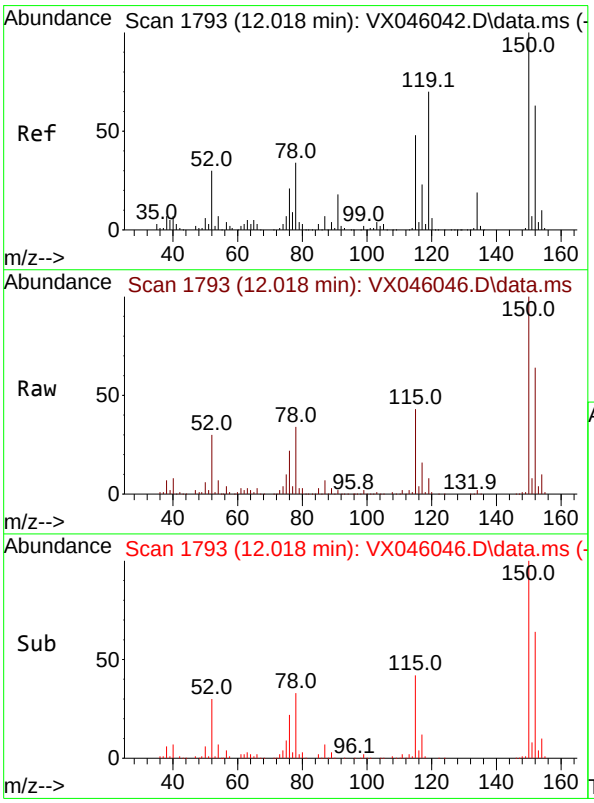
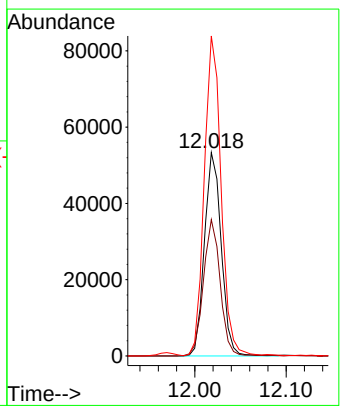
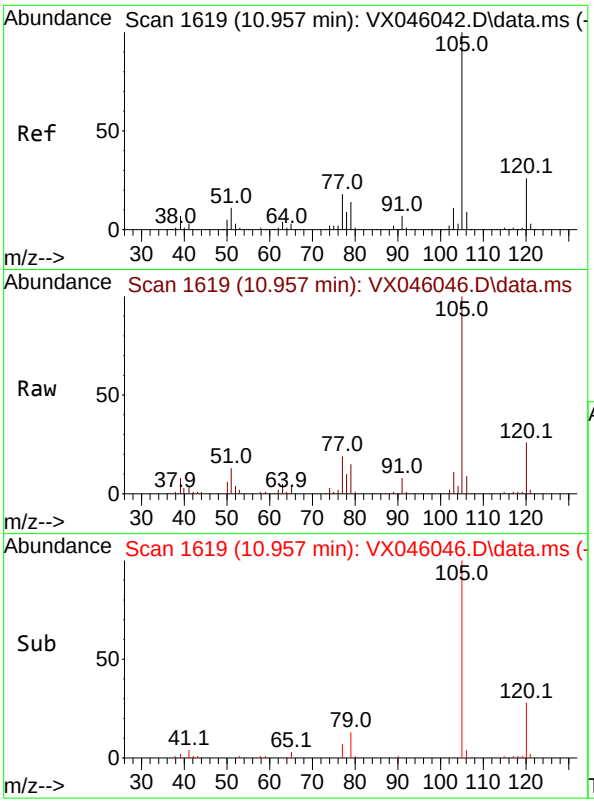


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

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Reviewed By :John Carlone 05/06/2025
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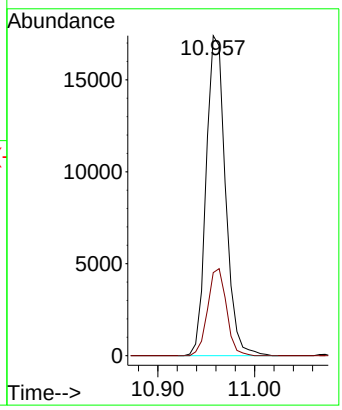
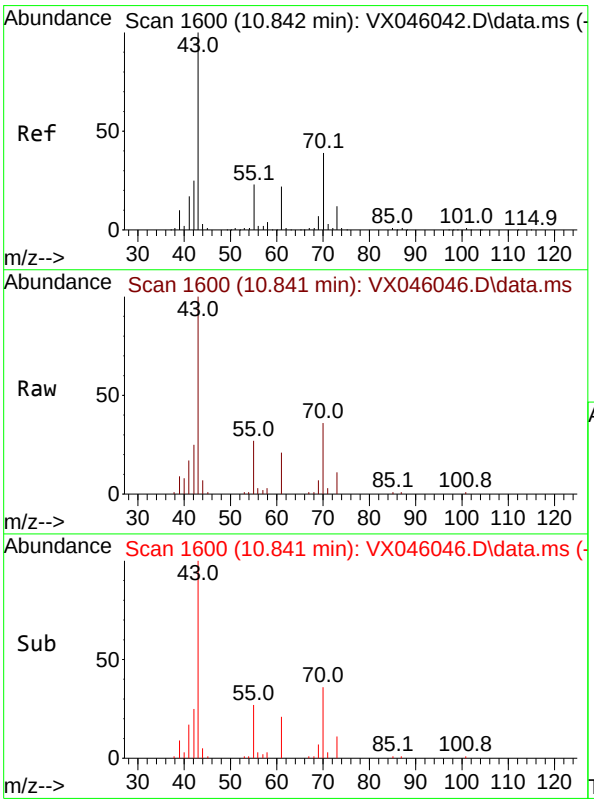
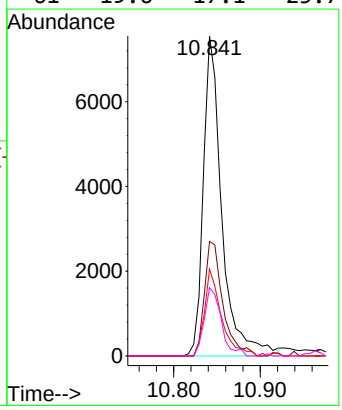


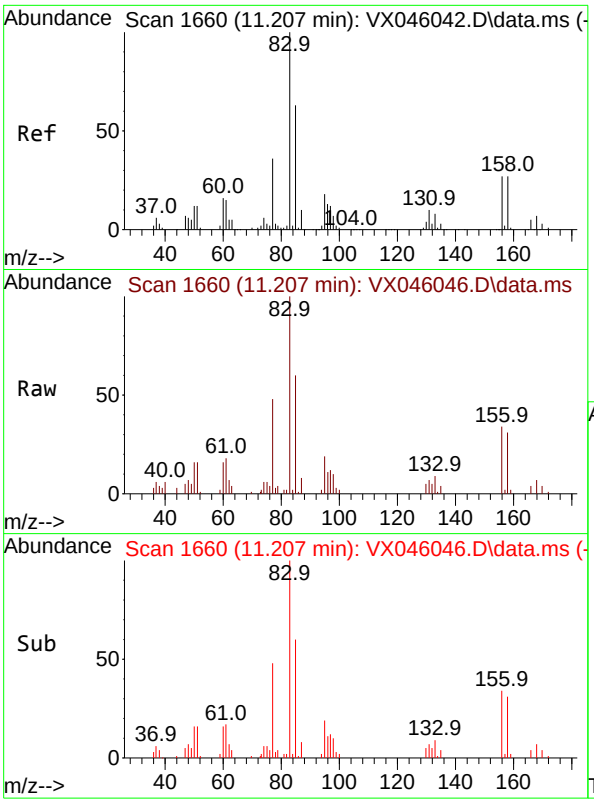


#74
N-amyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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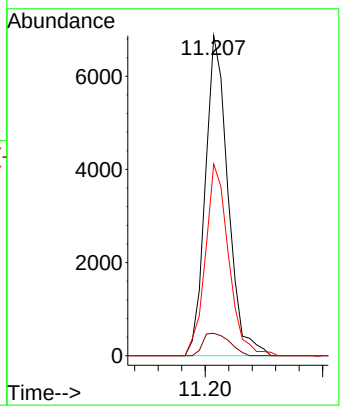
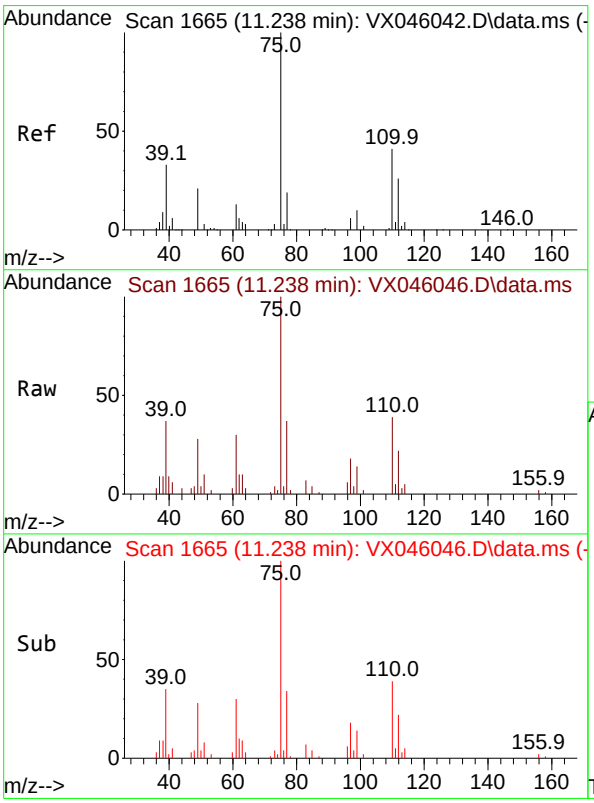
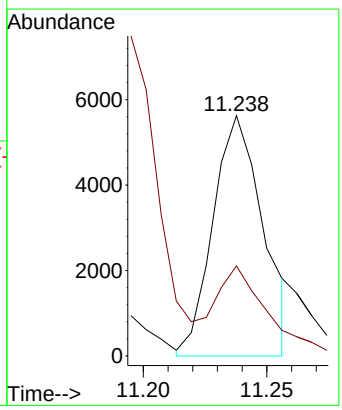


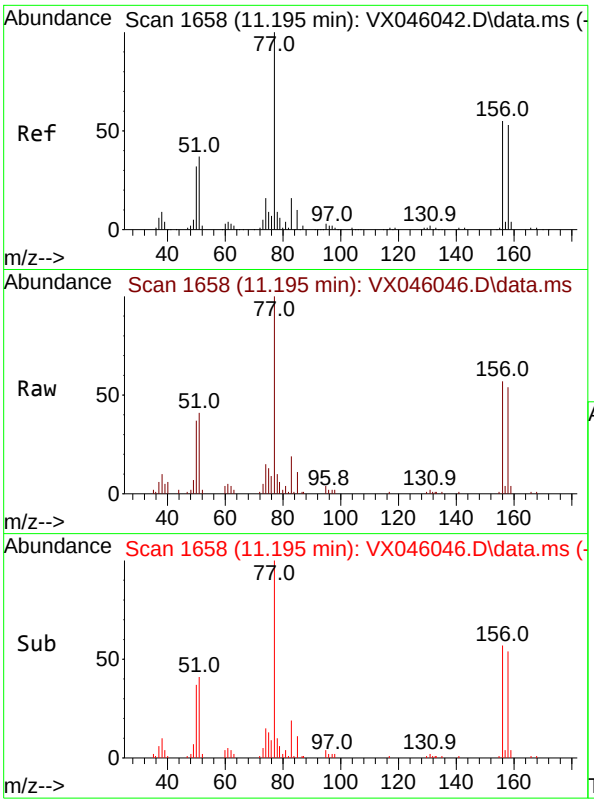


#76
1,2,3-Trichloropropane
Concen: 2.799 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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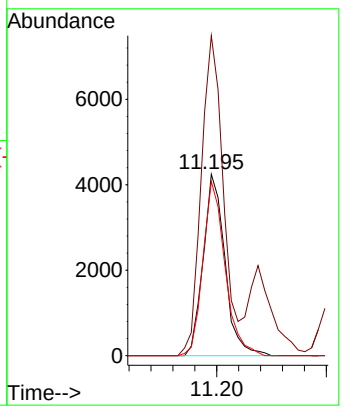
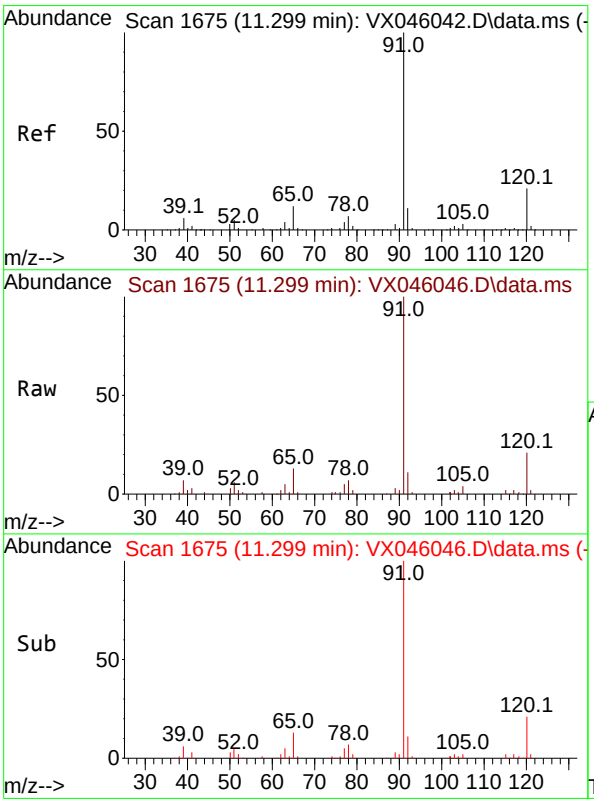
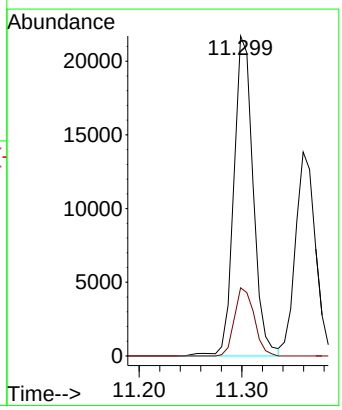


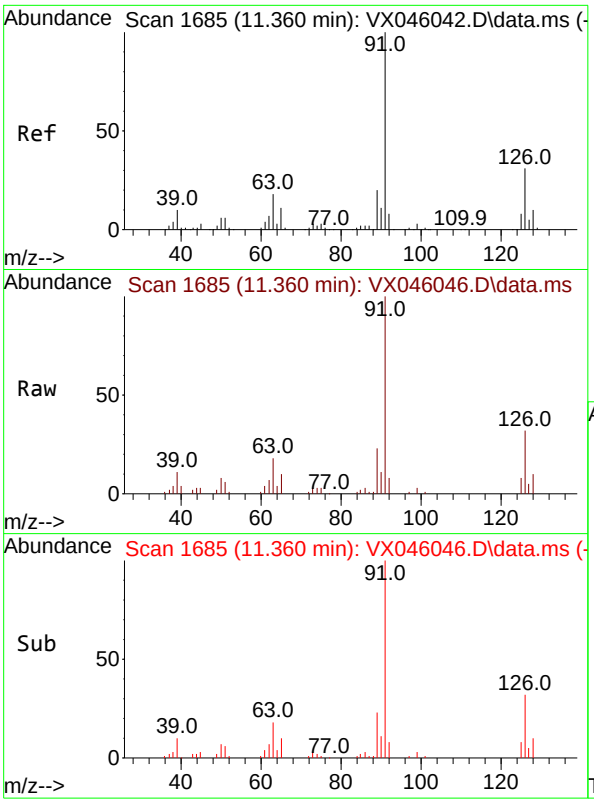


#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

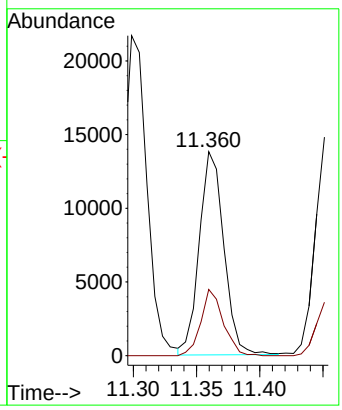




#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 1867

Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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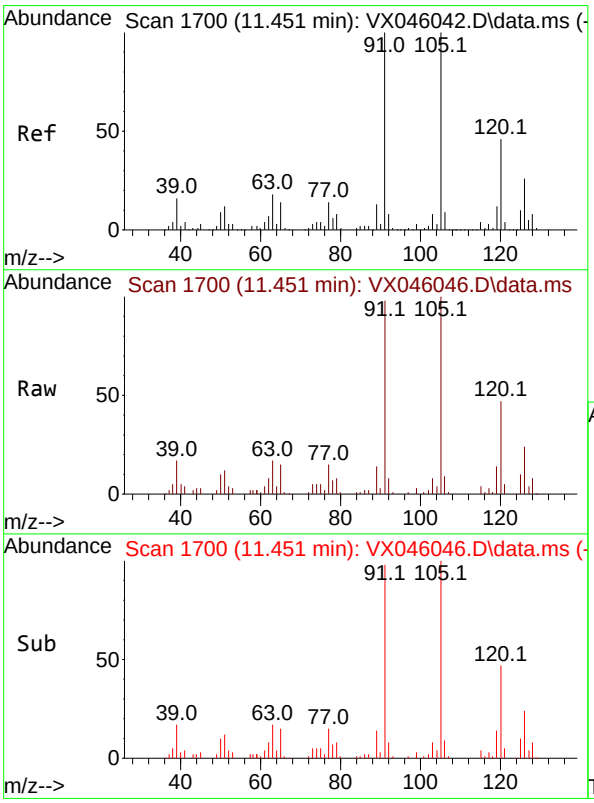
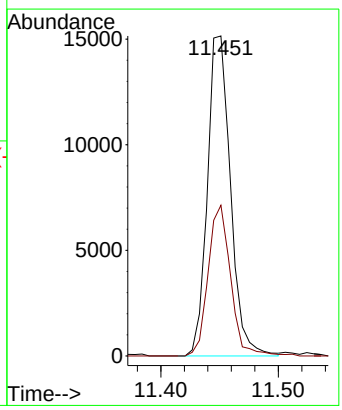
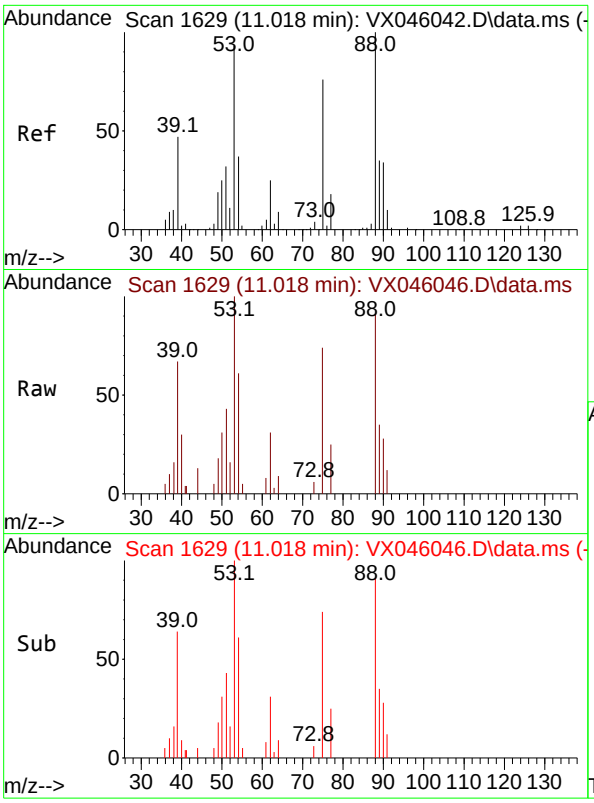


#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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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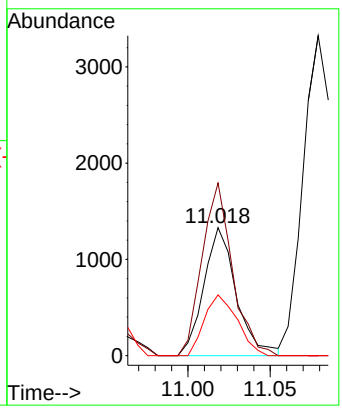
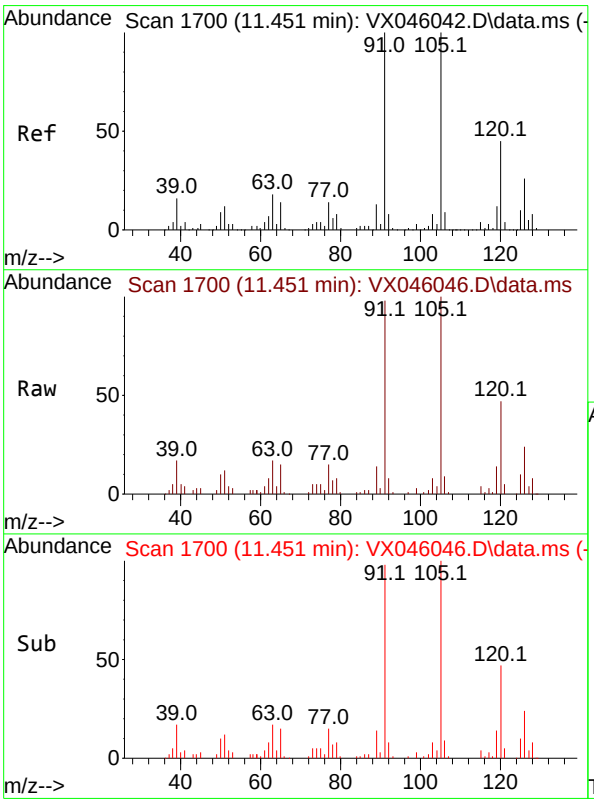
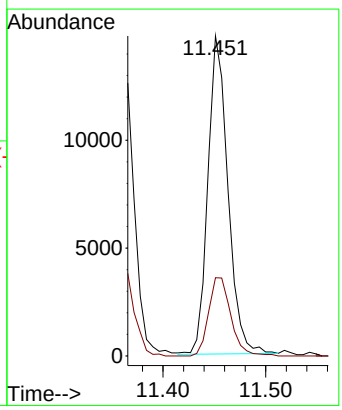


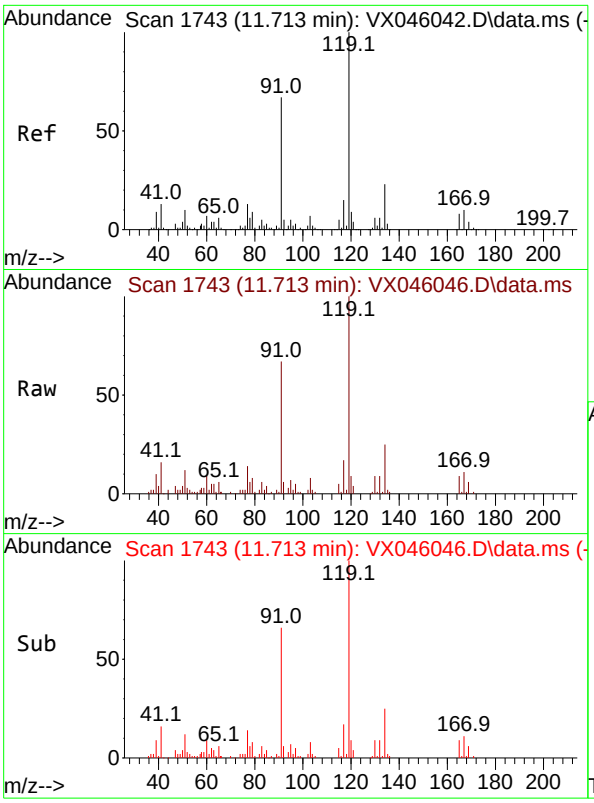


#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

Manual Integrations
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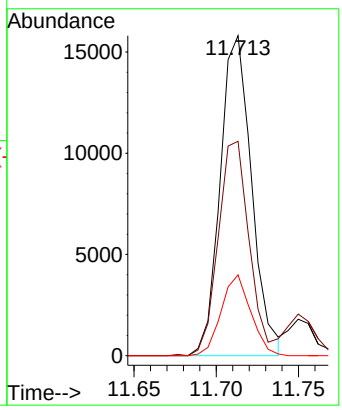
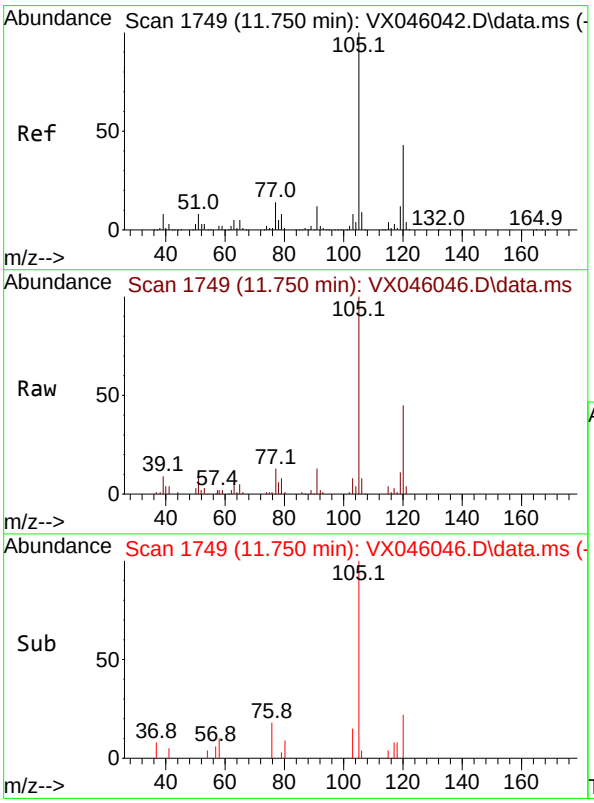
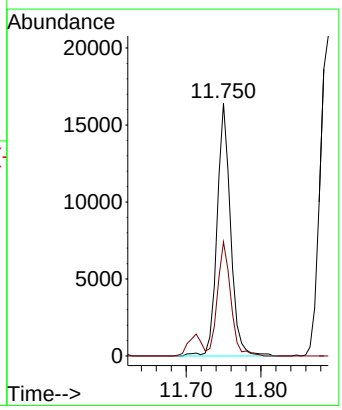


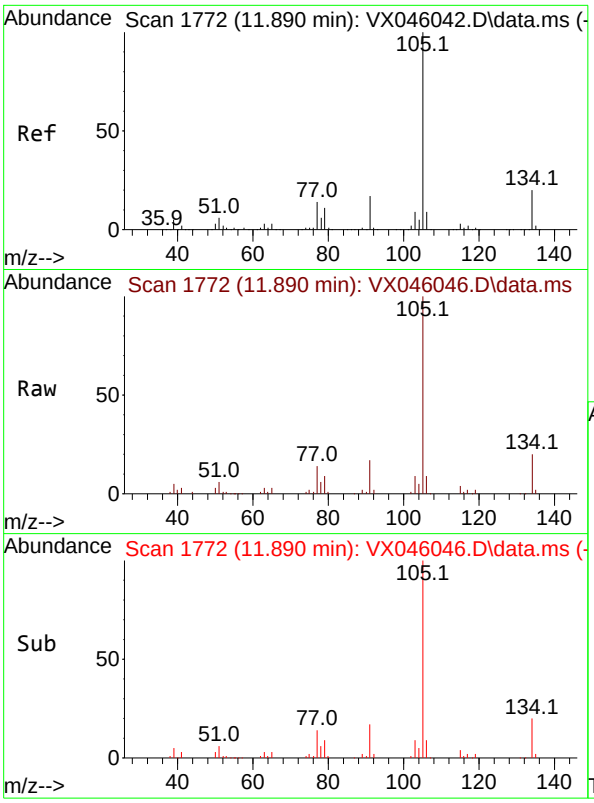


#84
1,2,4-Trimethylbenzene
Concen: 3.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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
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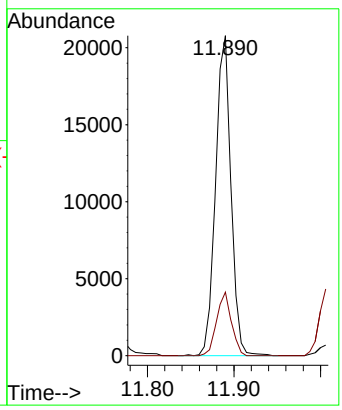
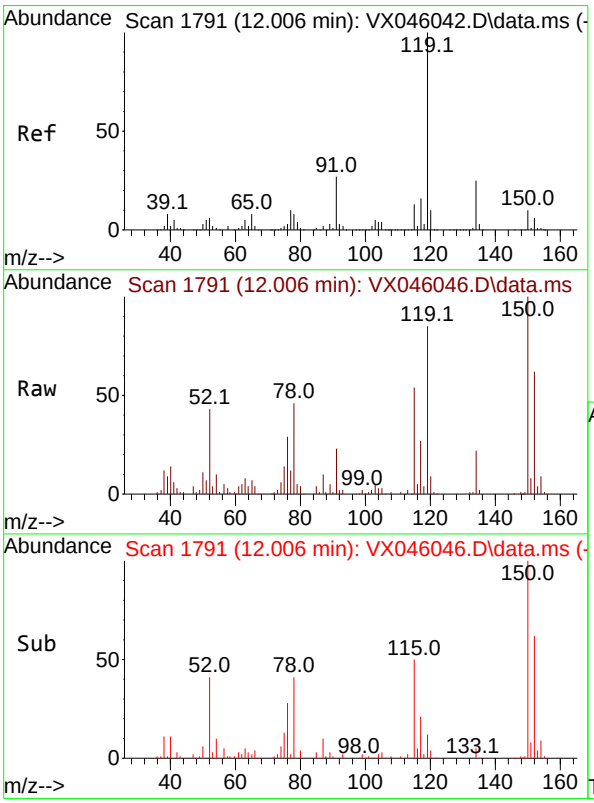
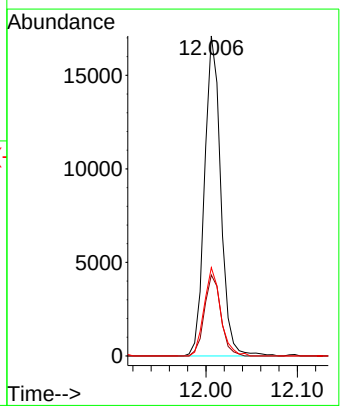


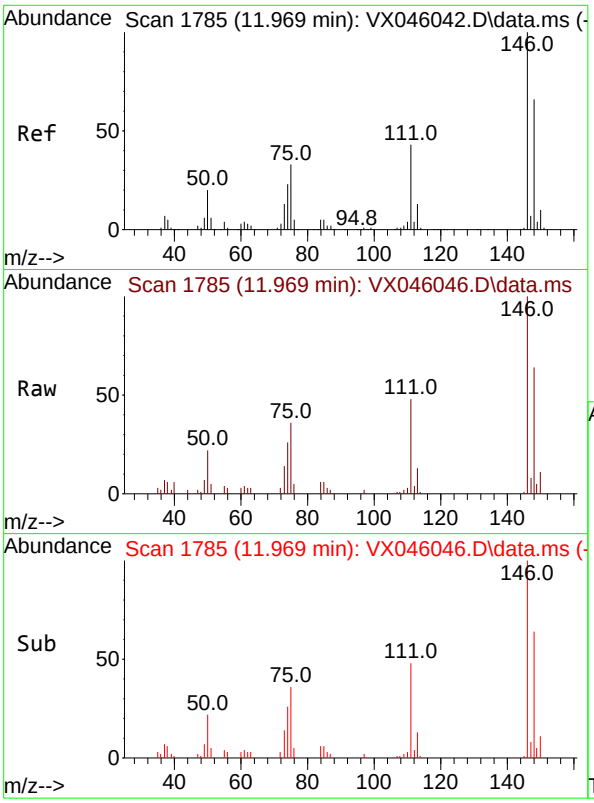


#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

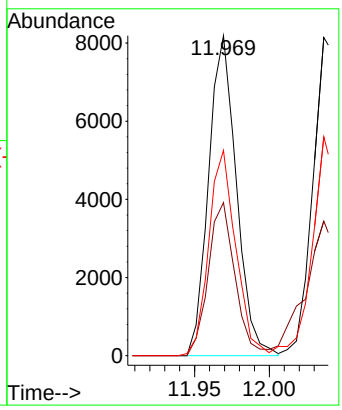




#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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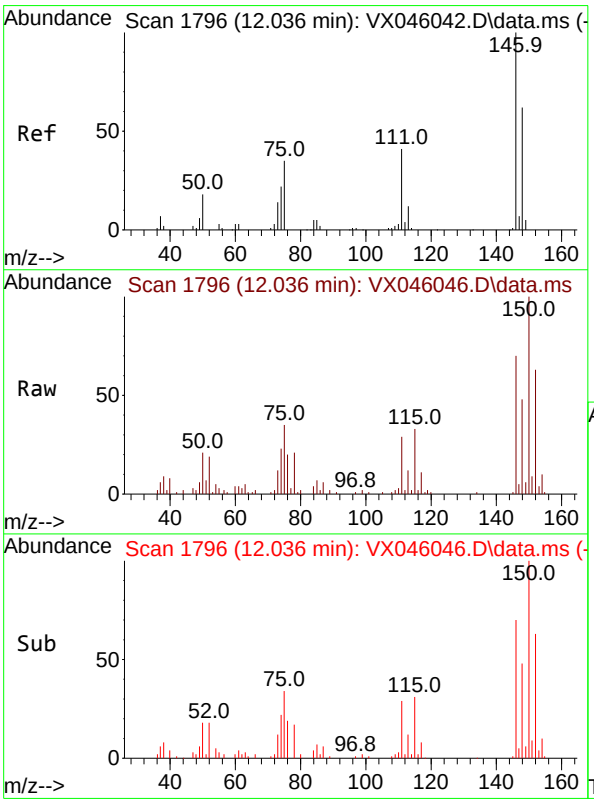
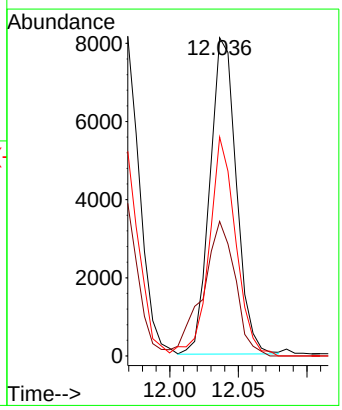
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

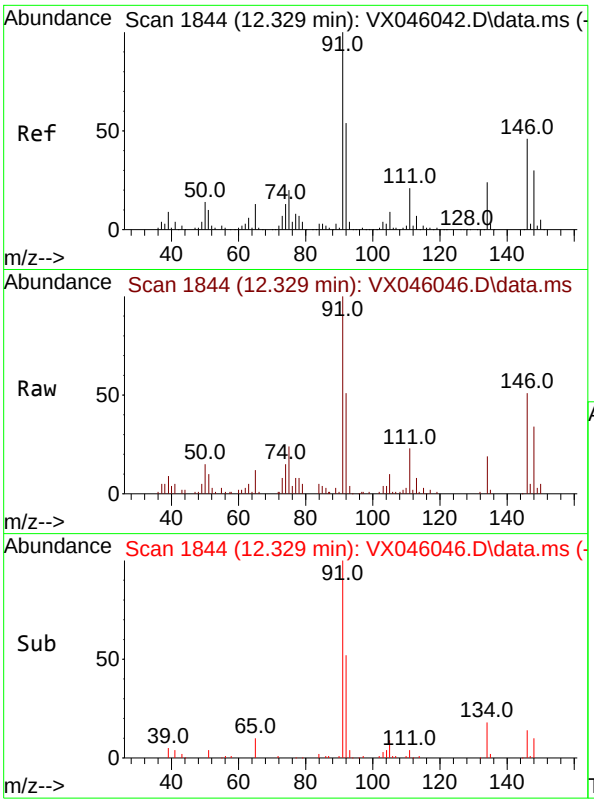


#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

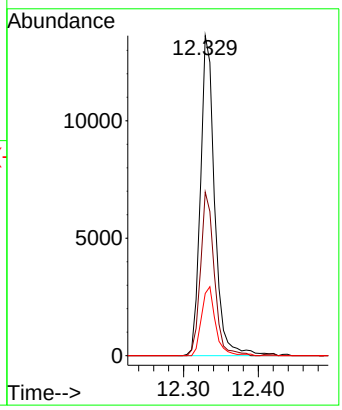




#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 1800

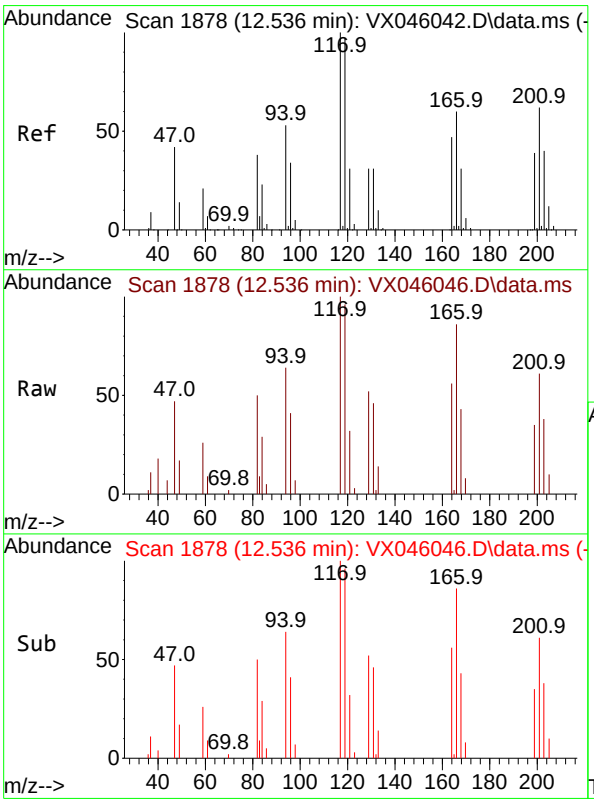
Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.9	80.7
134	21.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

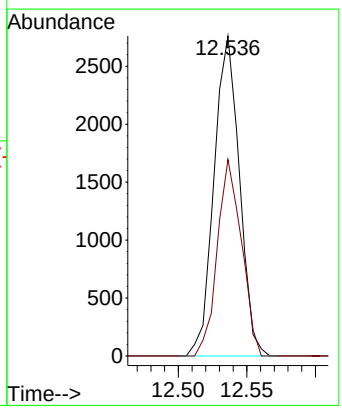
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

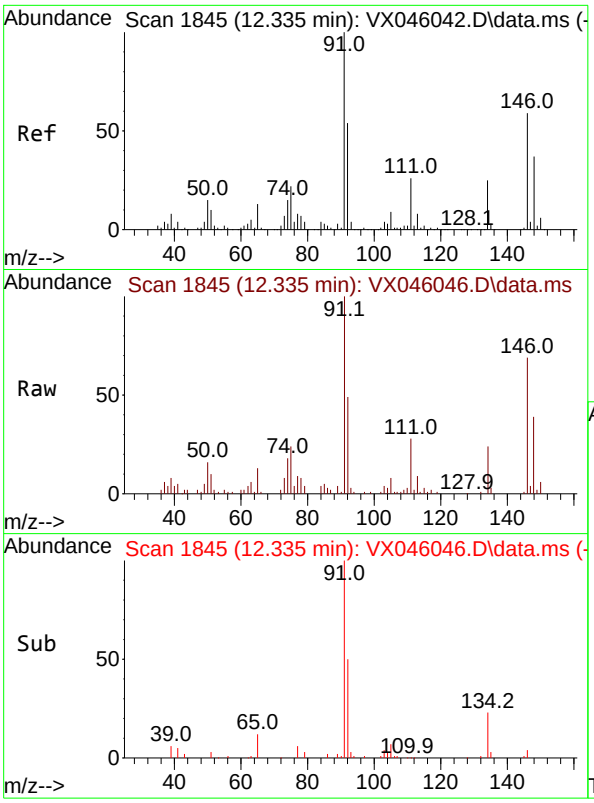


#90
Hexachloroethane
Concen: 3.153 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 3553

Ion	Ratio	Lower	Upper
117	100		
201	58.5	31.6	94.7

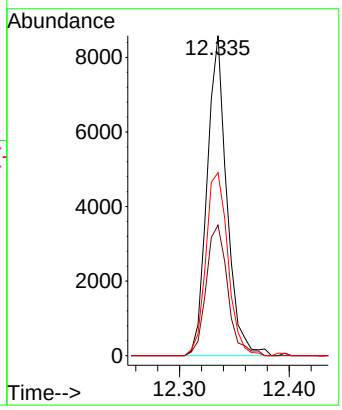




#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1071

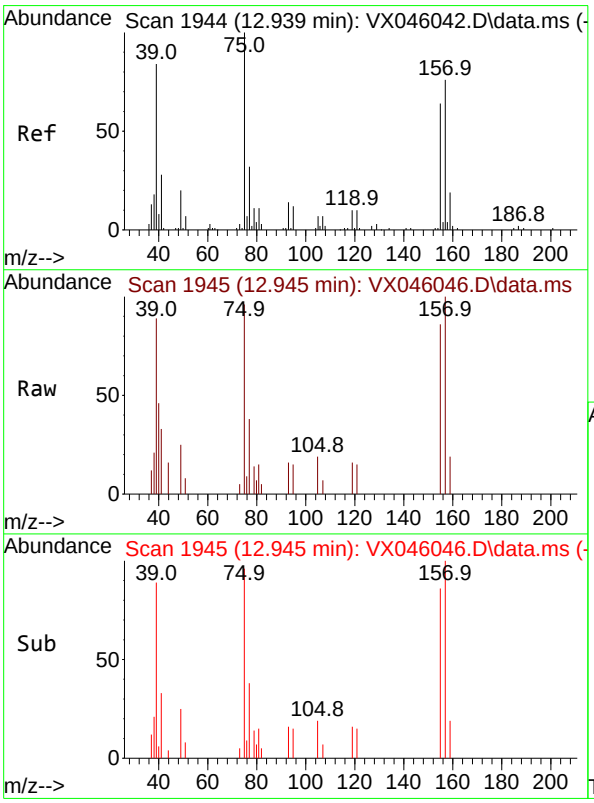
Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

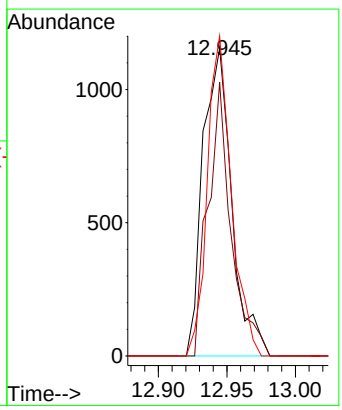
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

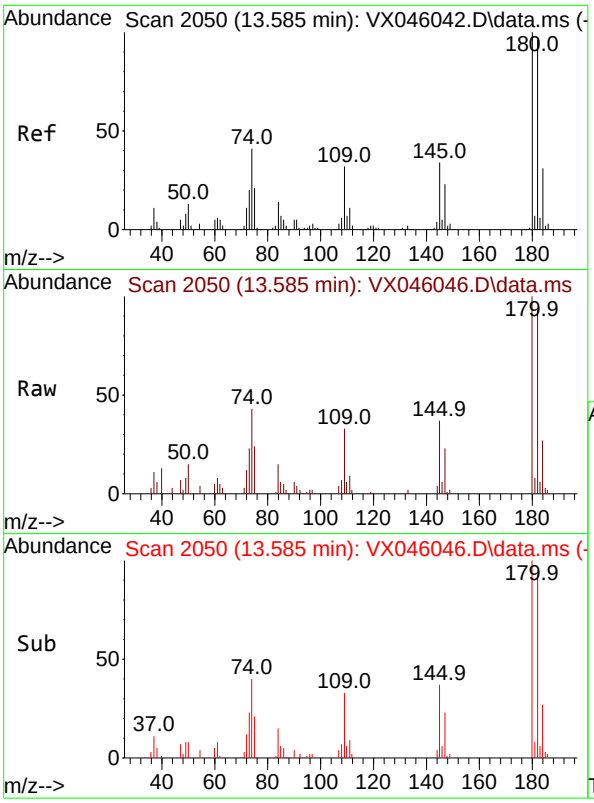


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

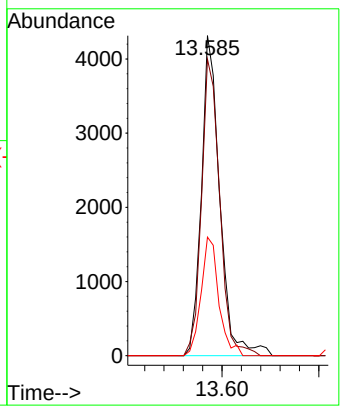




#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 572

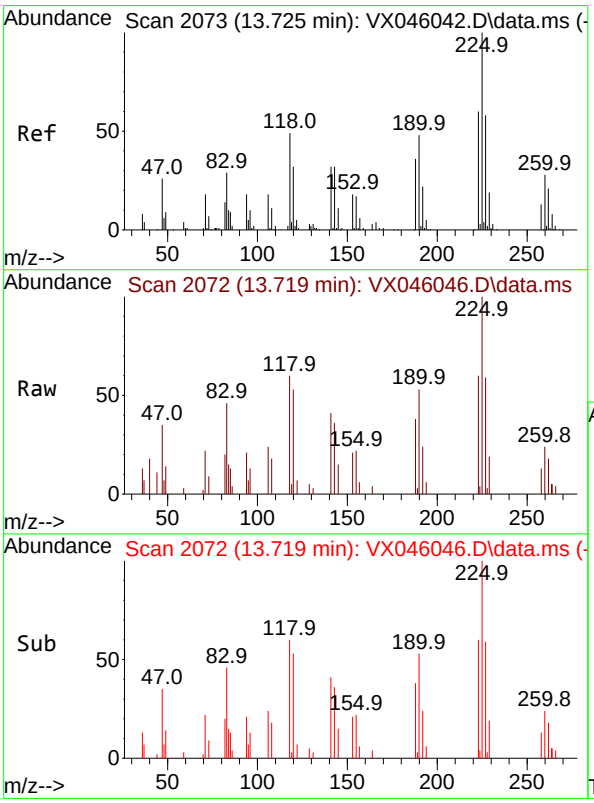
Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.9	143.8
145	35.7	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

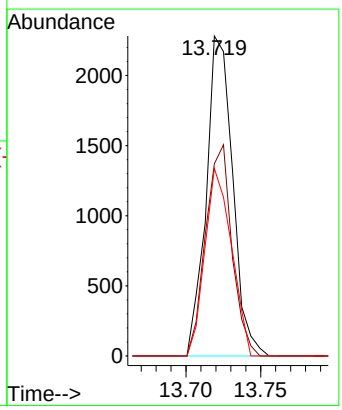
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

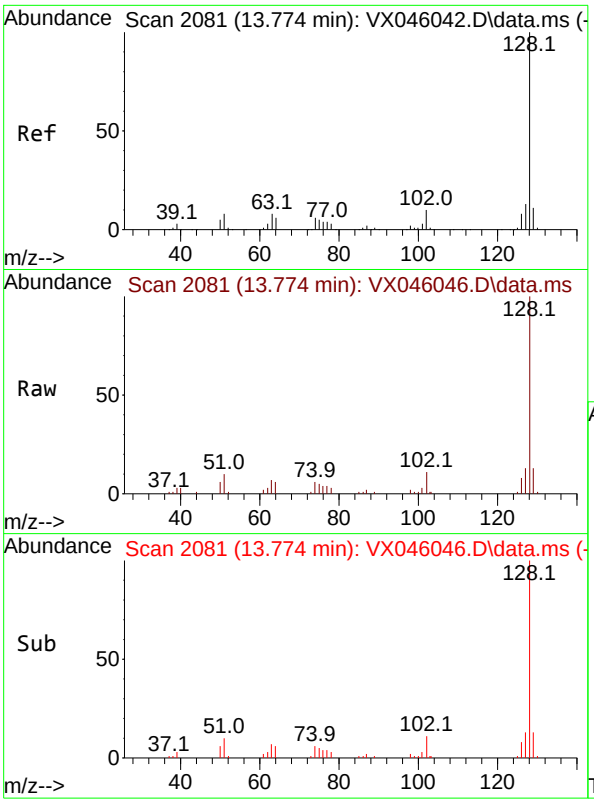


#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

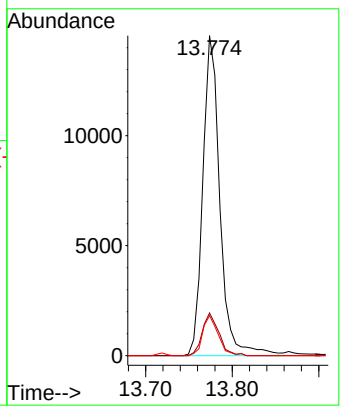




#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:128 Resp: 1990

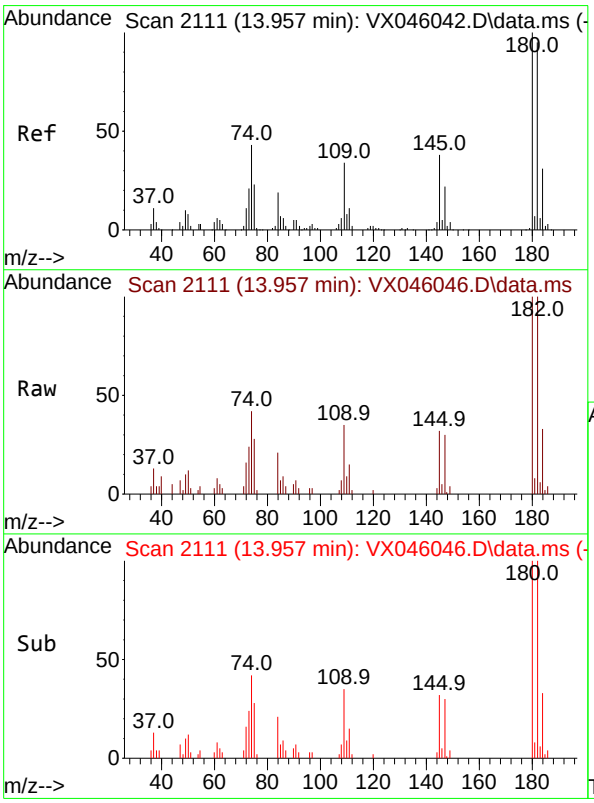
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

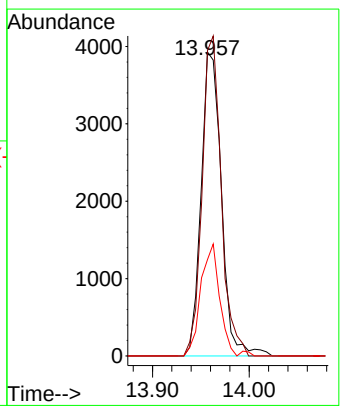
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

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	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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

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)
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

ICAL Form

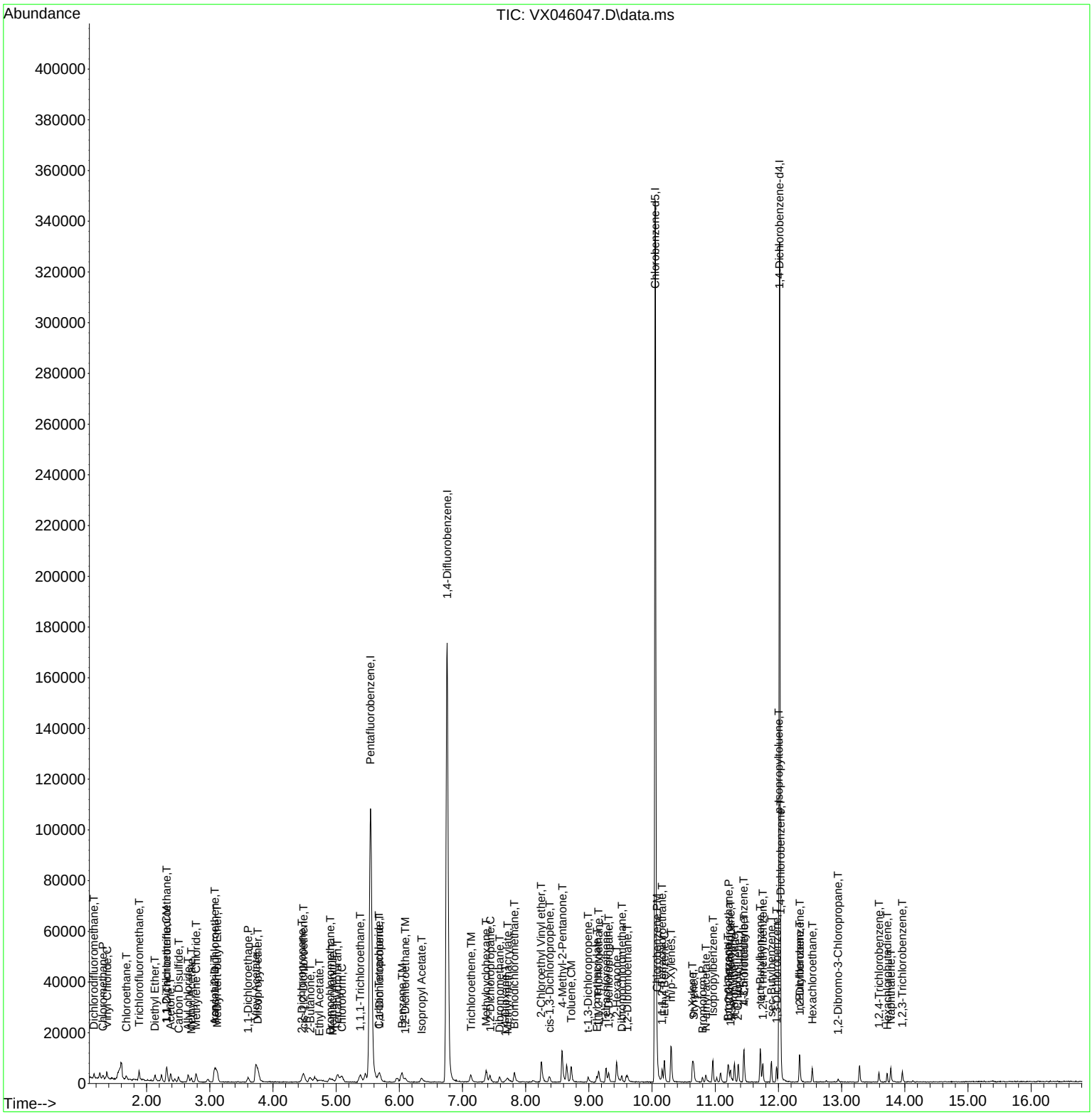
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

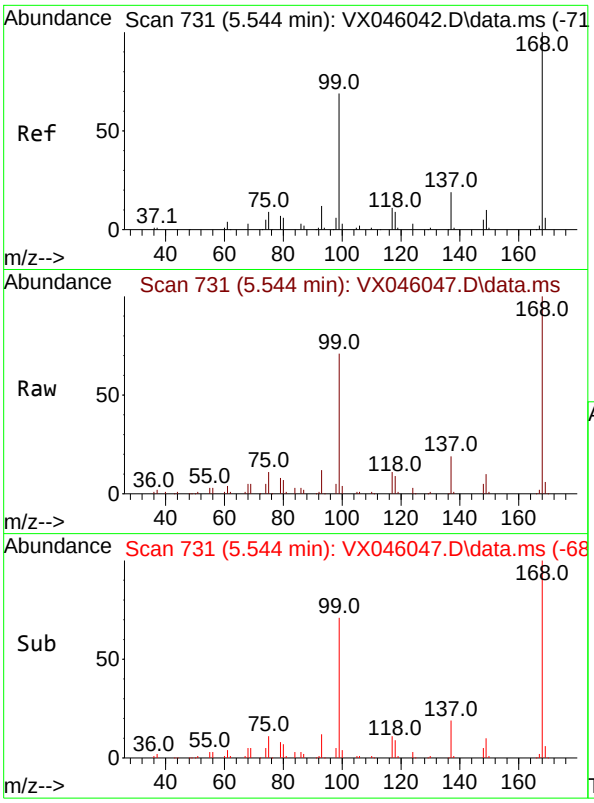
Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

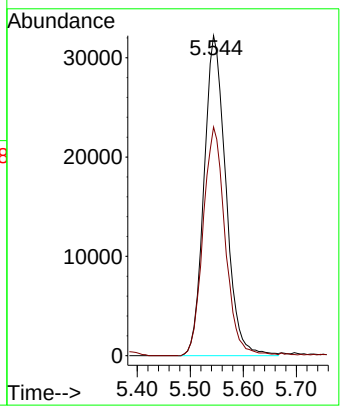




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:168 Resp: 9204

Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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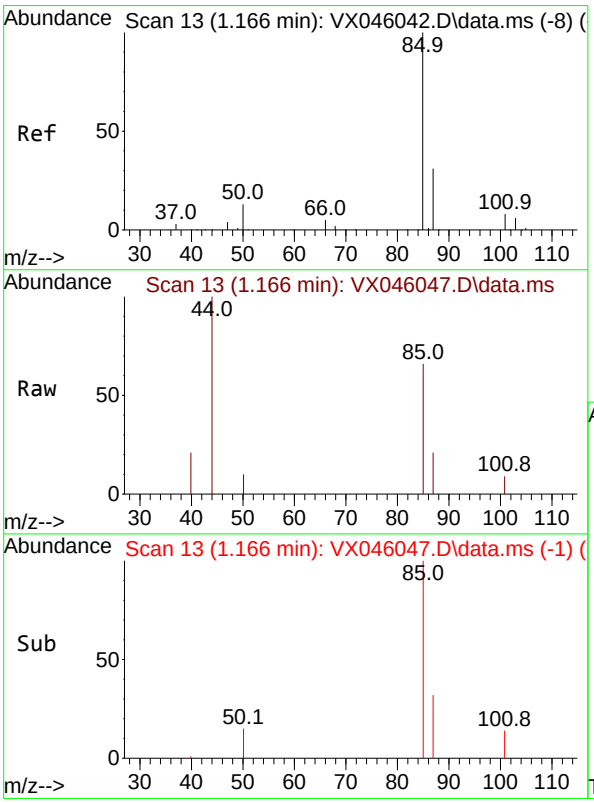
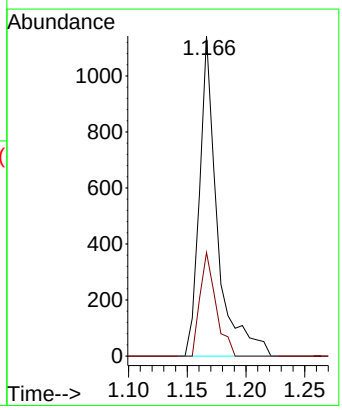
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

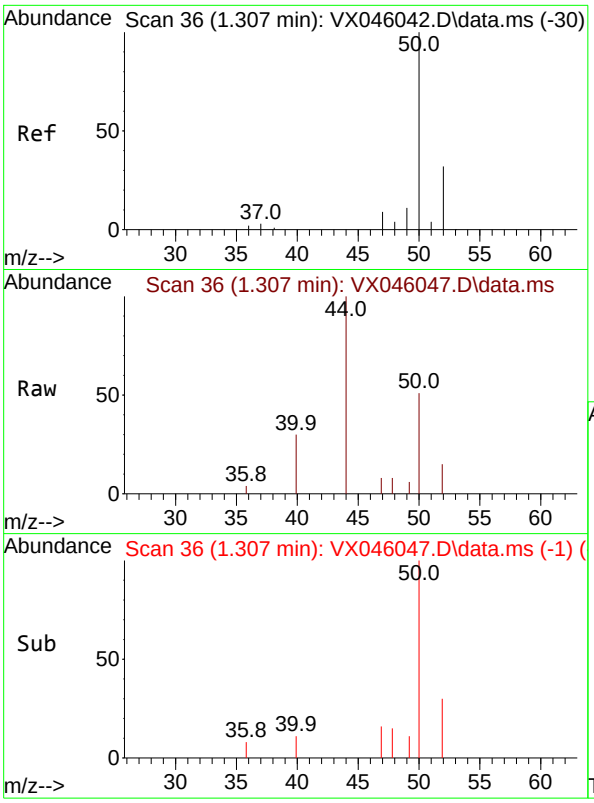


#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.1

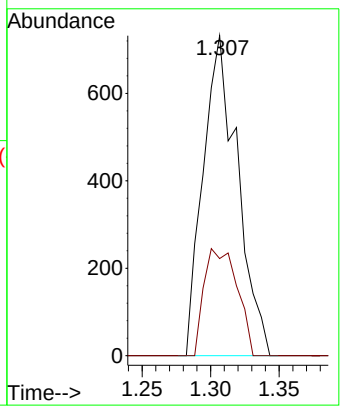




#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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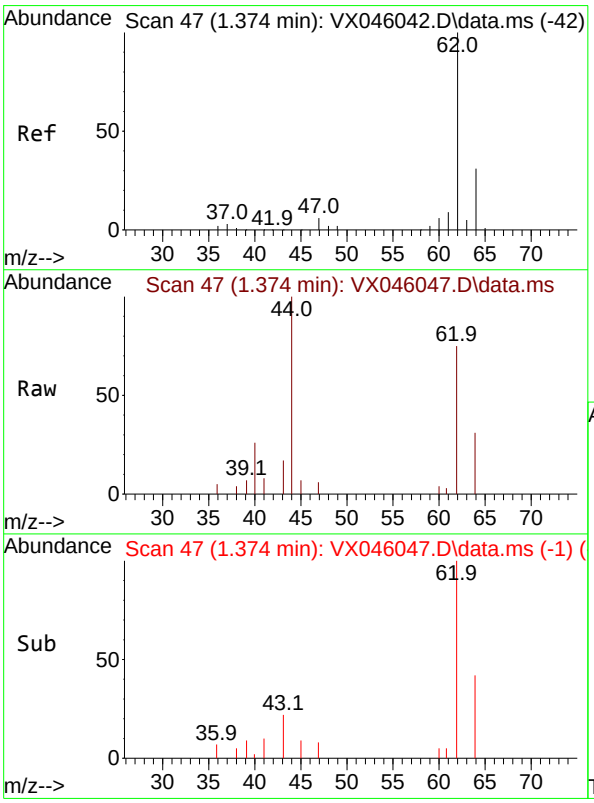
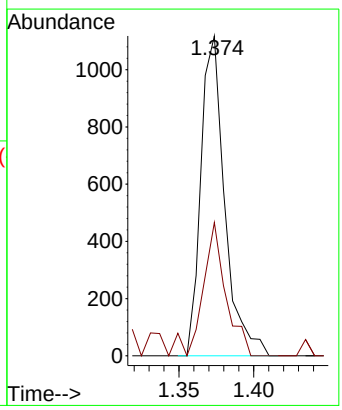
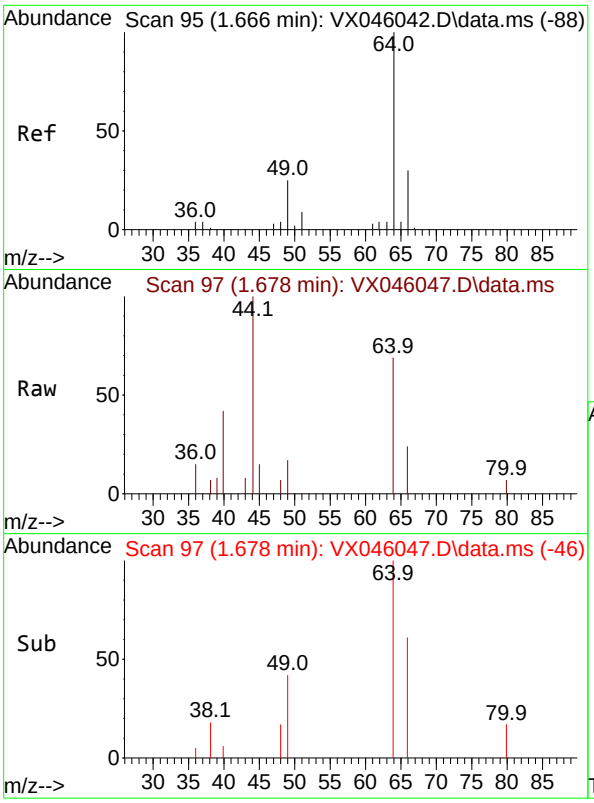


#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239

Ion	Ratio	Lower	Upper
62	100		
64	41.7	25.2	37.8#

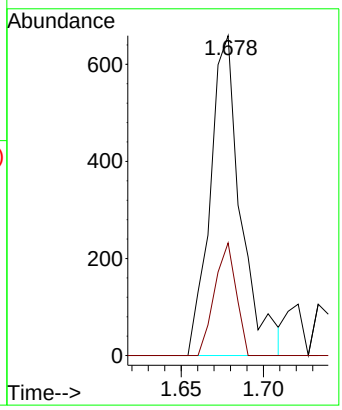




#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 64 Resp: 85

Ion	Ratio	Lower	Upper
64	100		
66	35.2	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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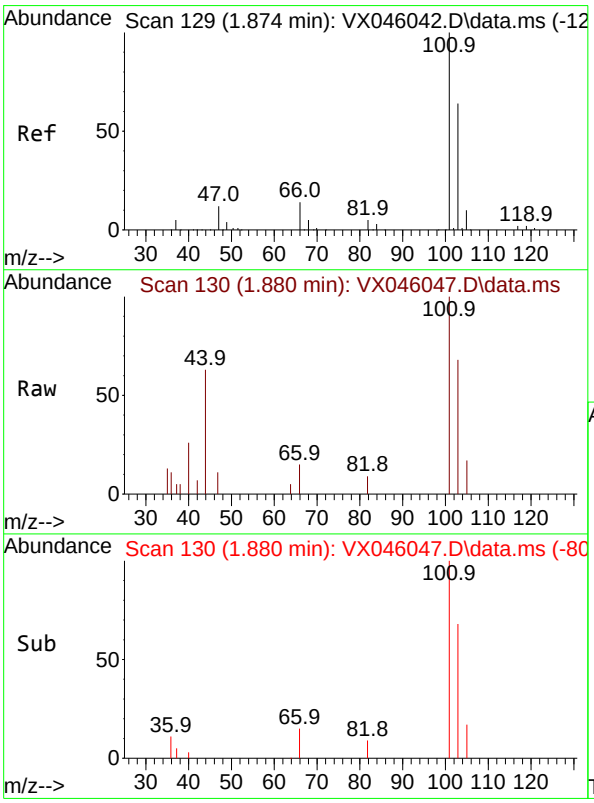
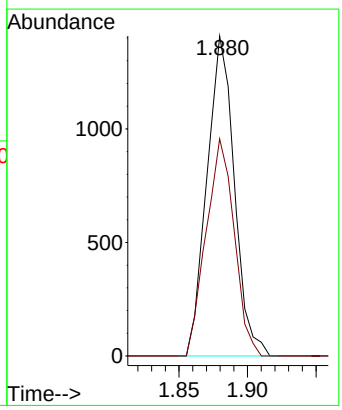
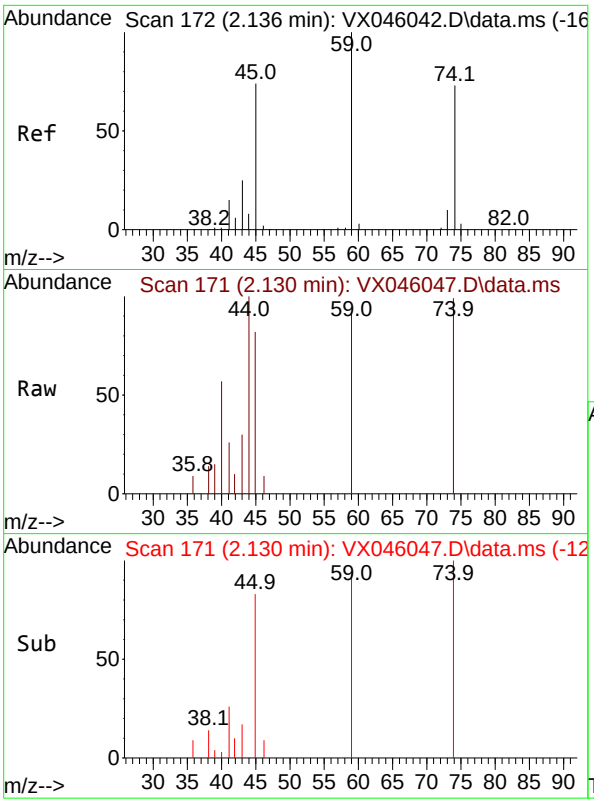


#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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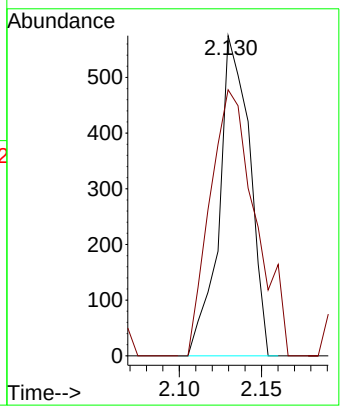
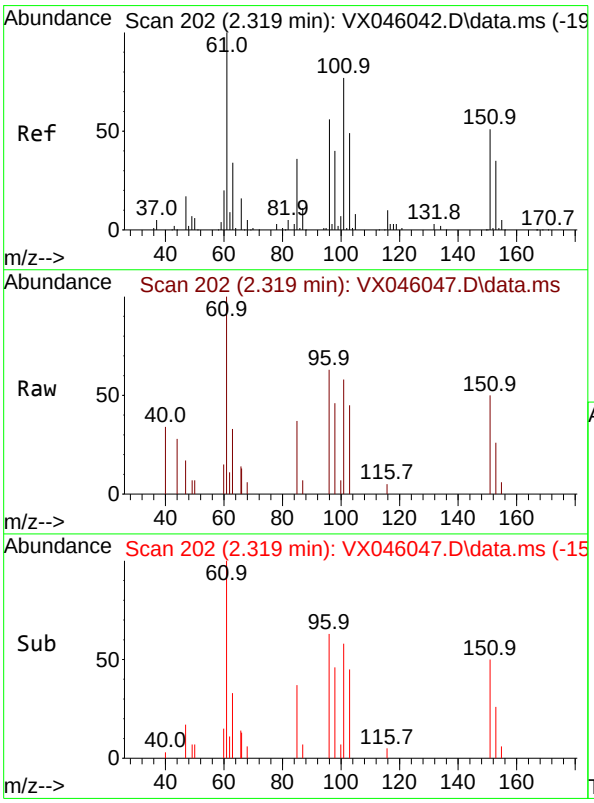
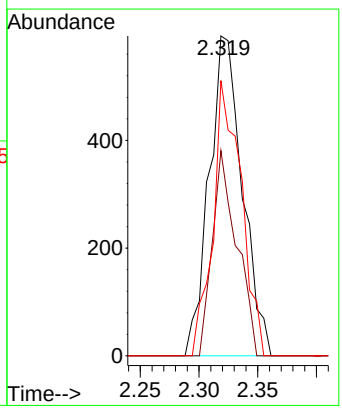


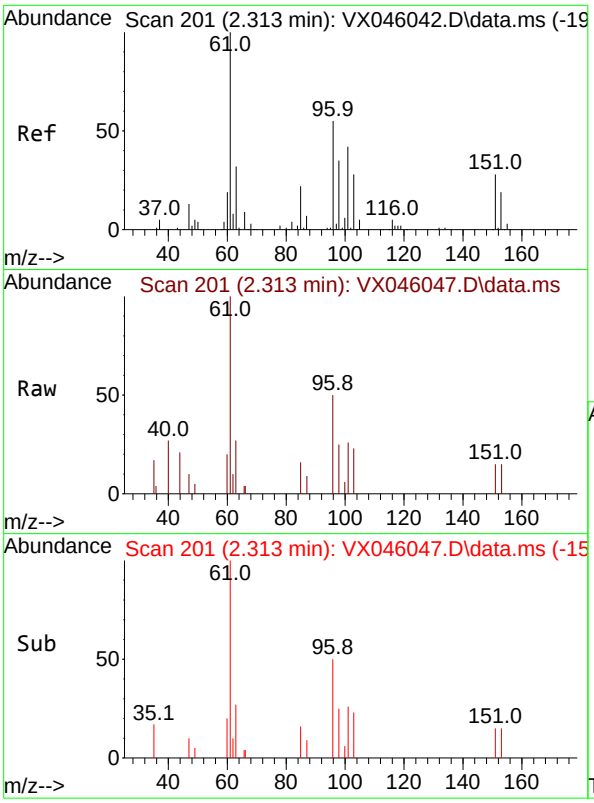


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

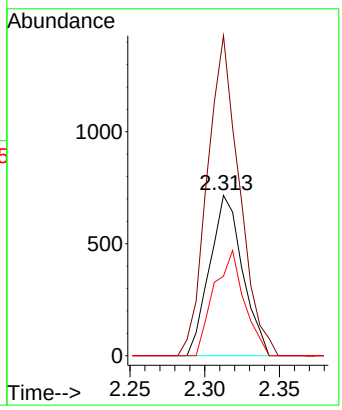




#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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 :
VSTDICC001

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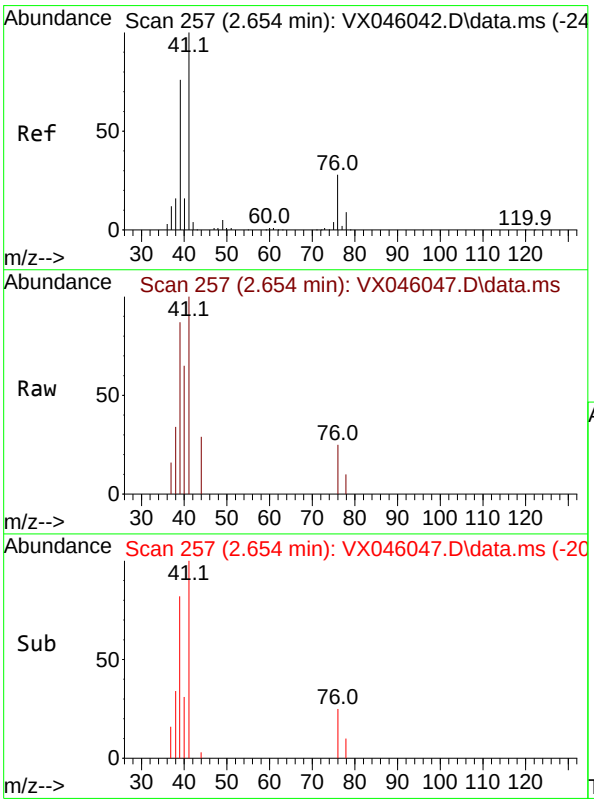
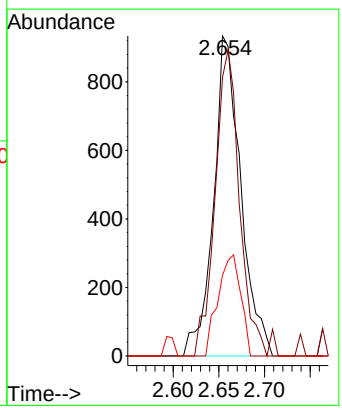
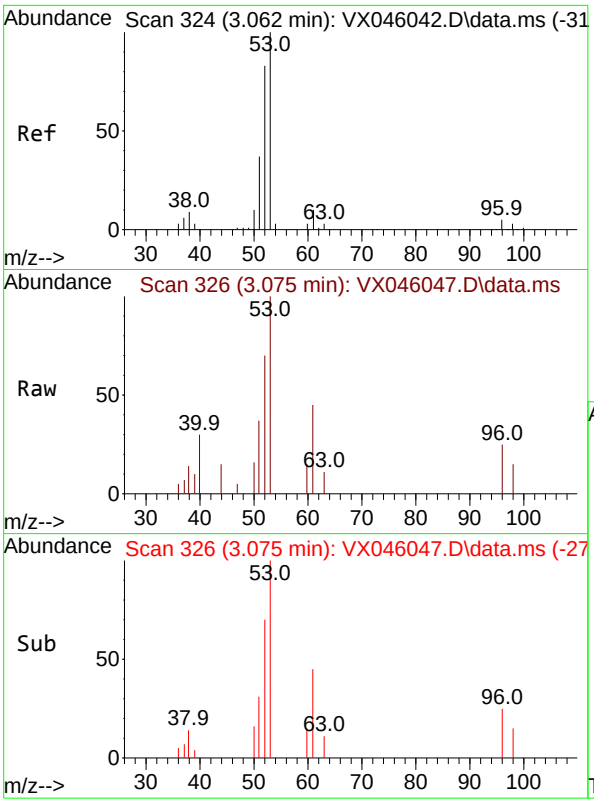


#14
Allyl chloride
Concen: 0.660 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

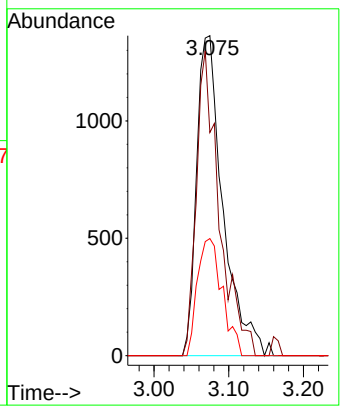




#15
Acrylonitrile
Concen: 3.424 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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 :
VSTDICC001

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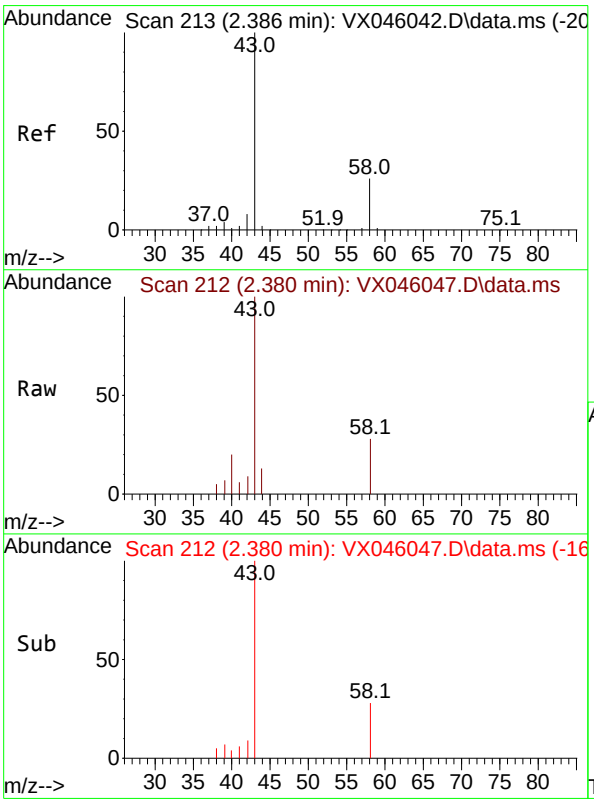
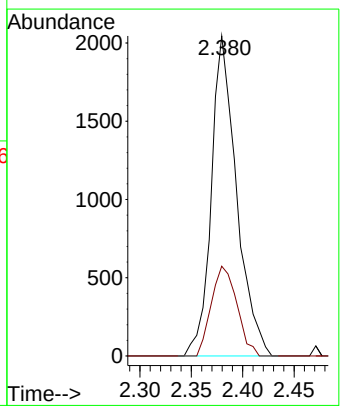
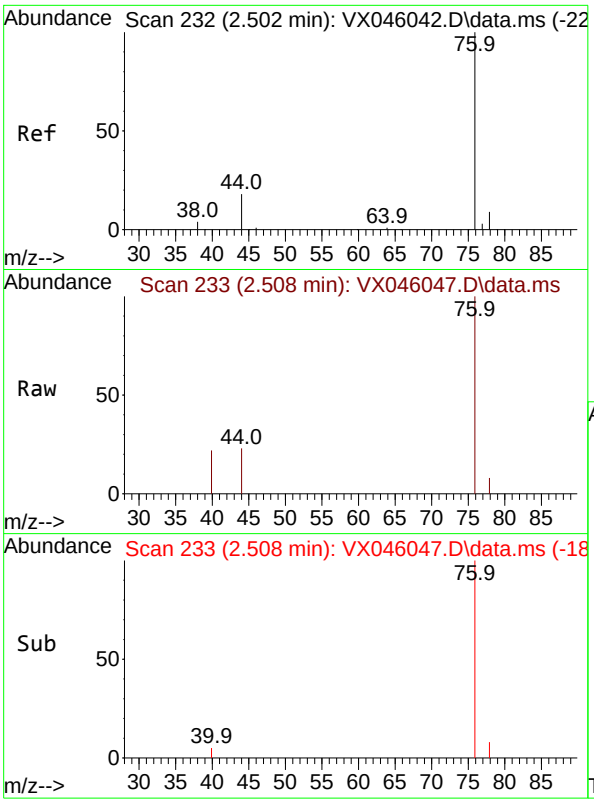


#16
Acetone
Concen: 3.736 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 3500

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.2	31.8

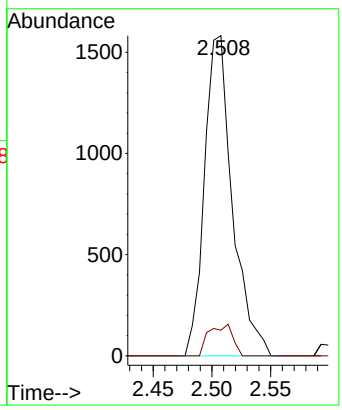




#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 261

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.0	10.4



Instrument :
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ClientSampleId :
VSTDICC001

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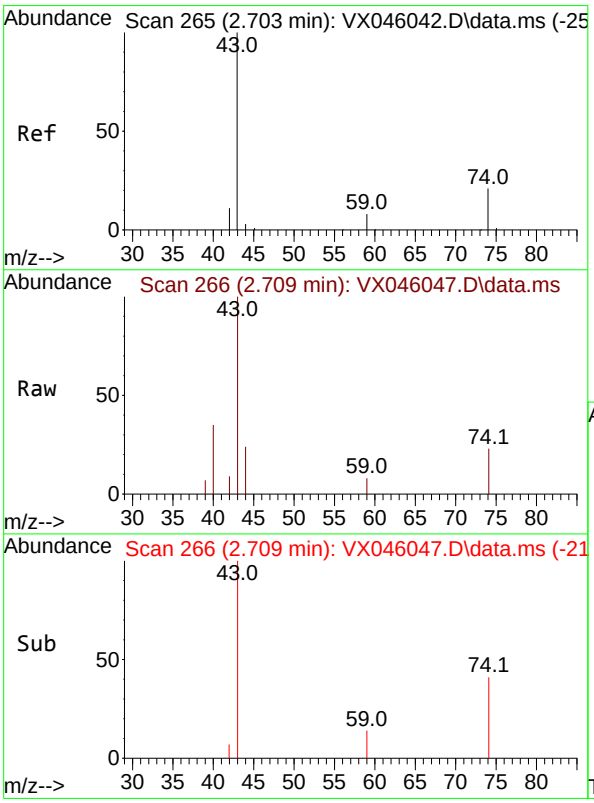
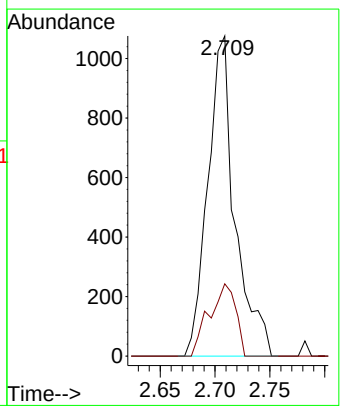
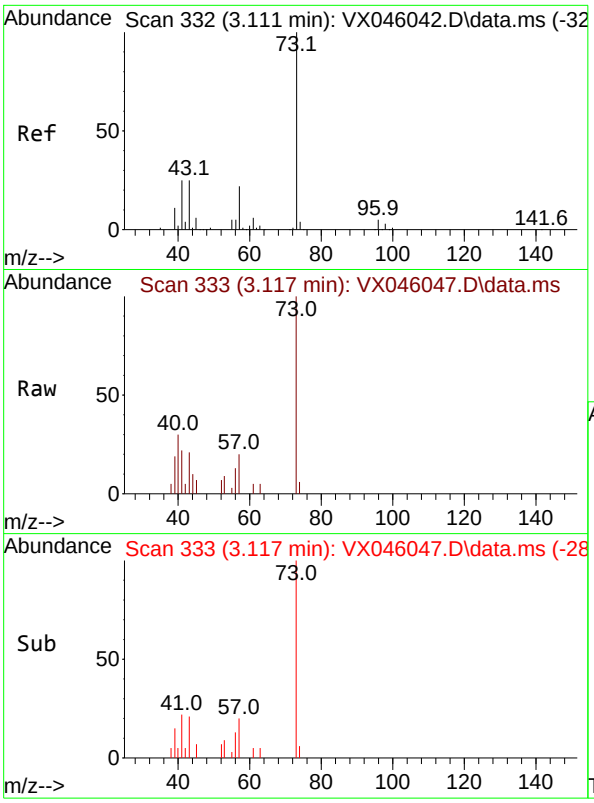


#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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Reviewed By :John Carlone 05/06/2025
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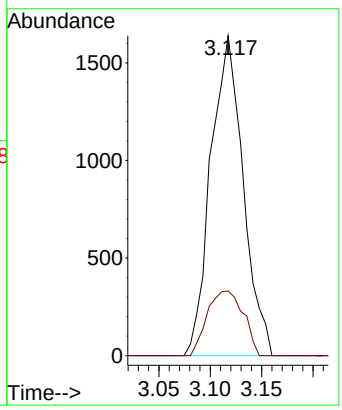
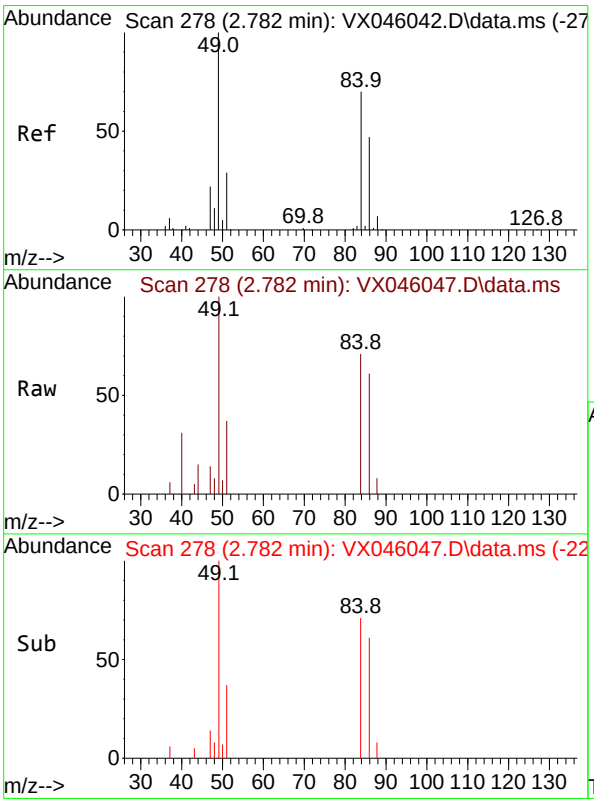
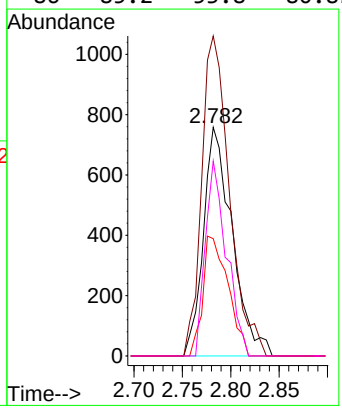


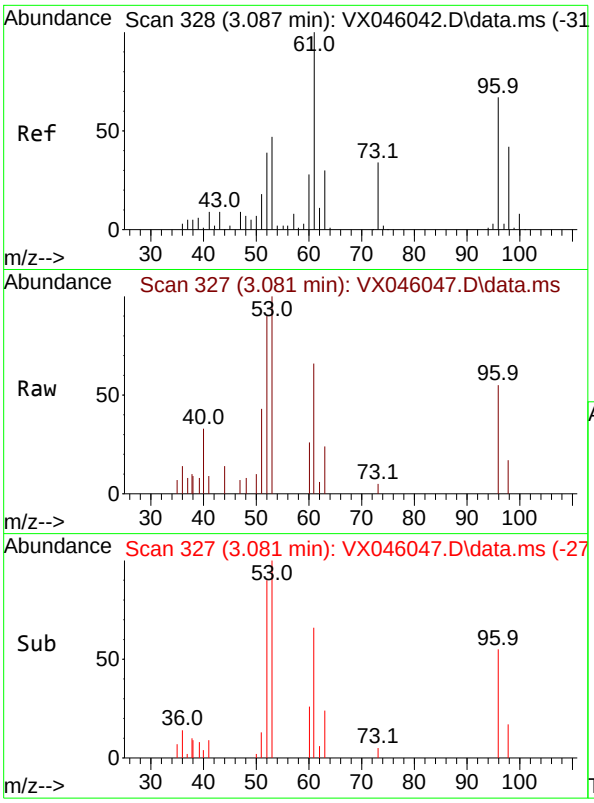


#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

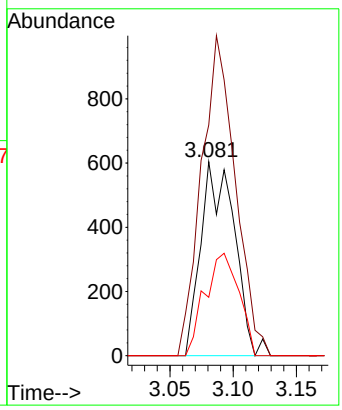




#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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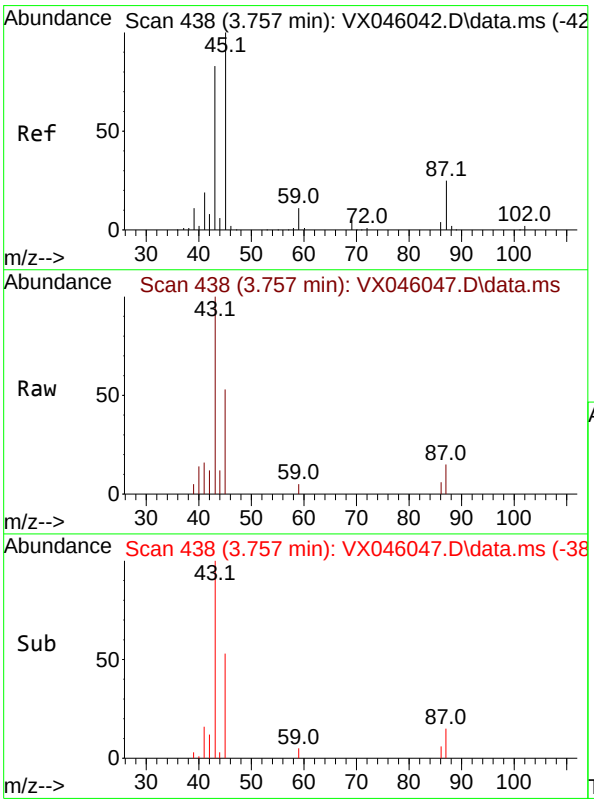
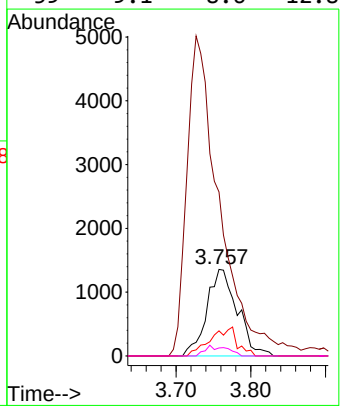
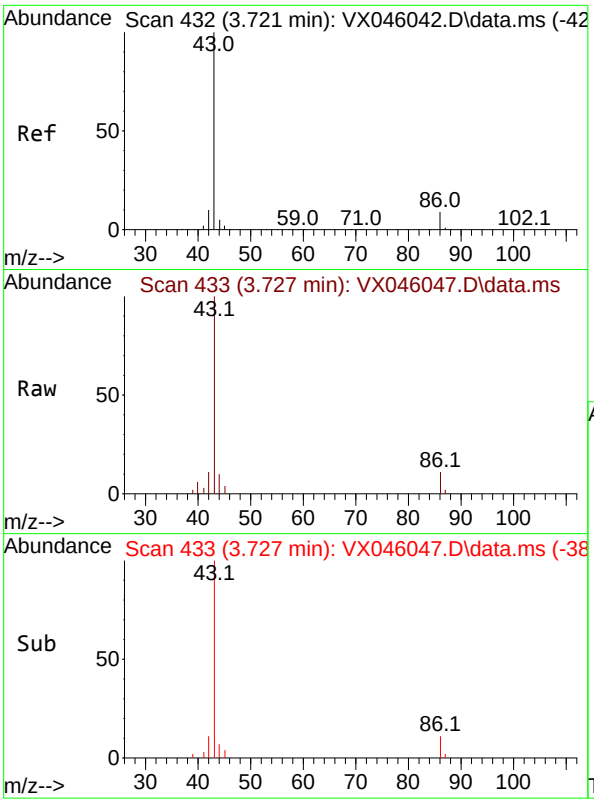


#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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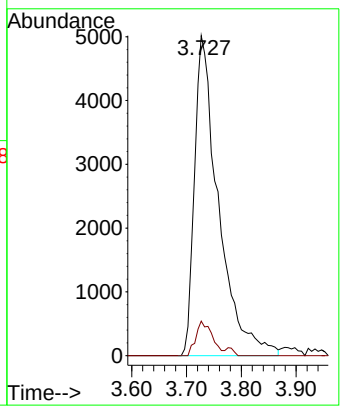
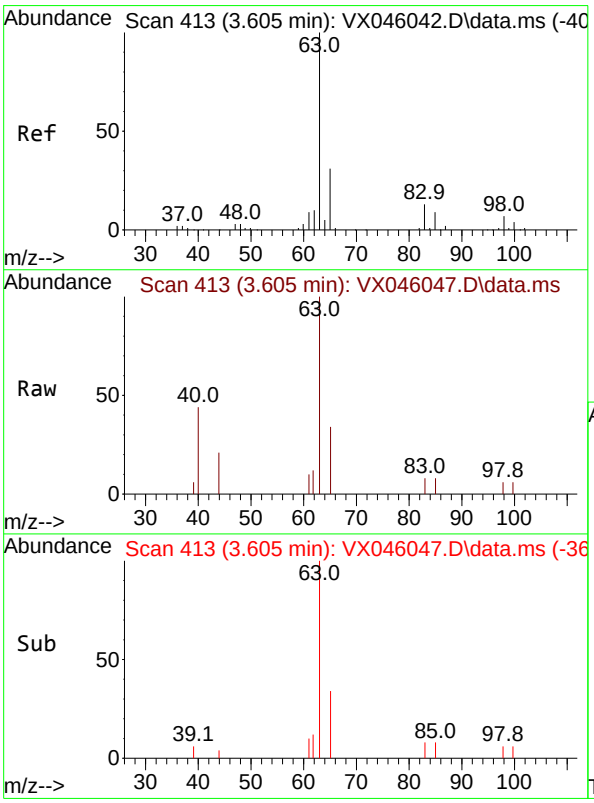
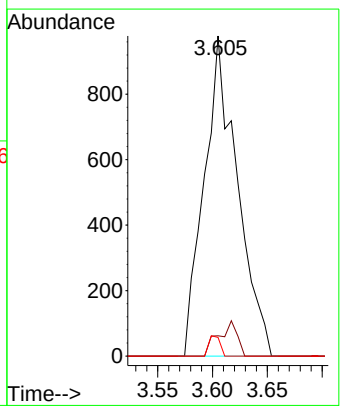


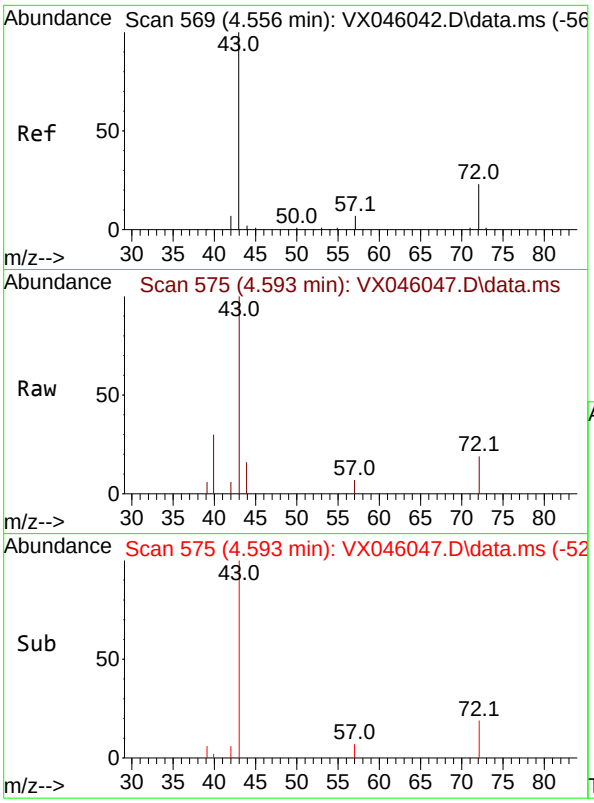


#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

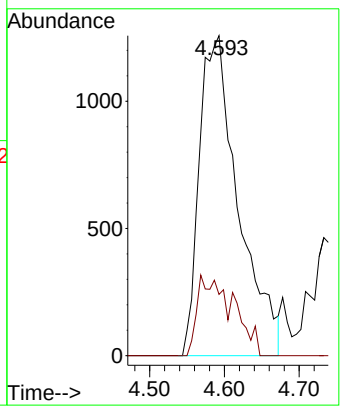




#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 455

Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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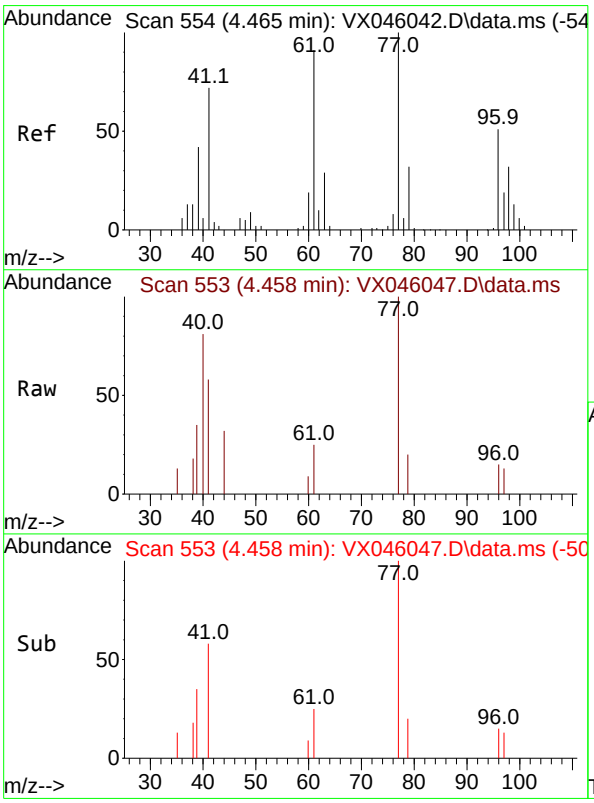
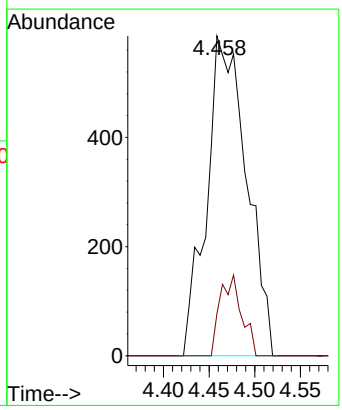
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

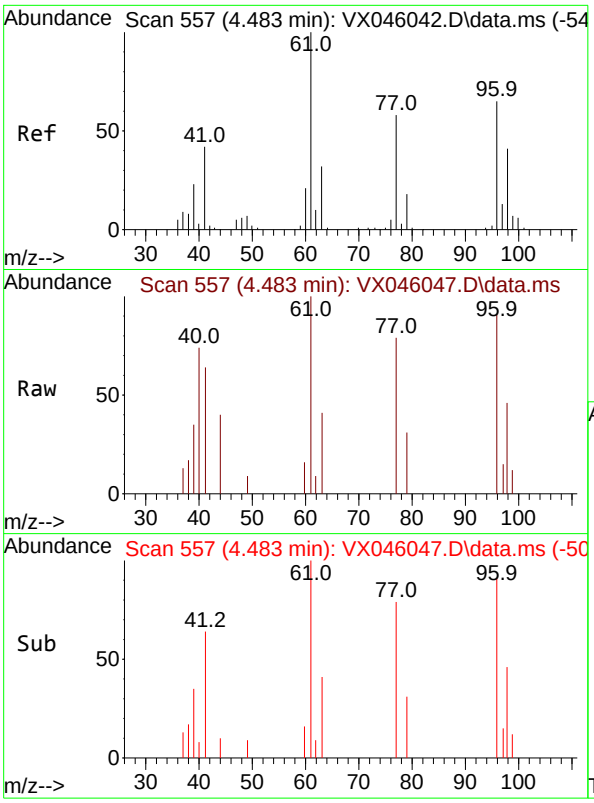


#26
2,2-Dichloropropane
Concen: 0.728 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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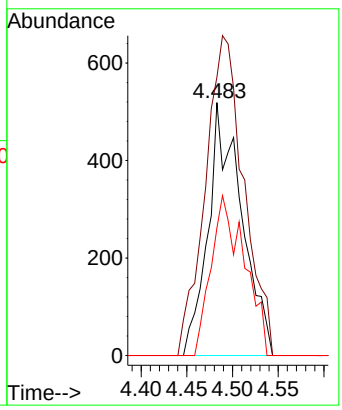
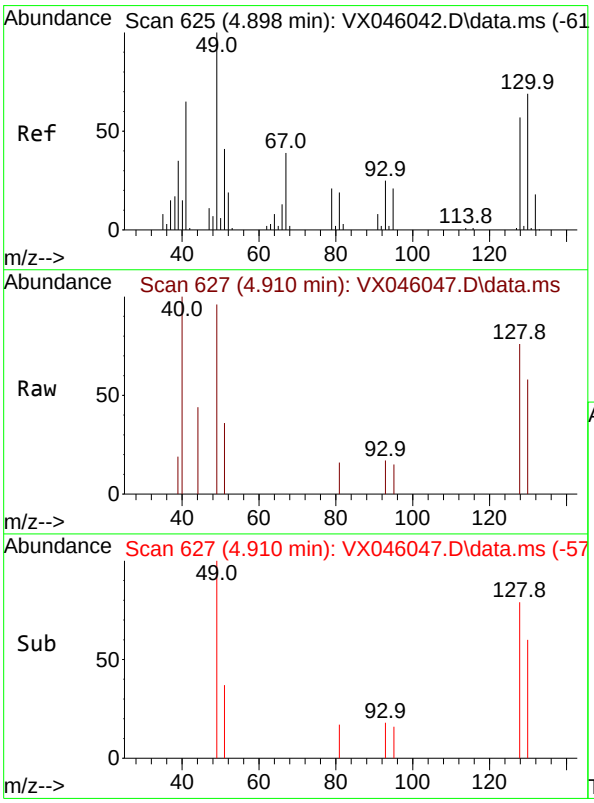
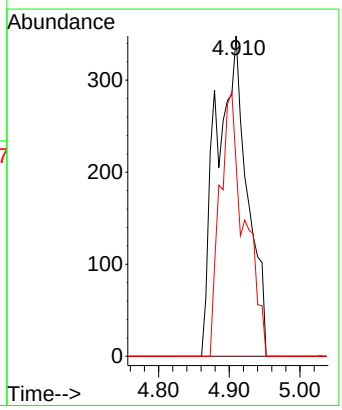


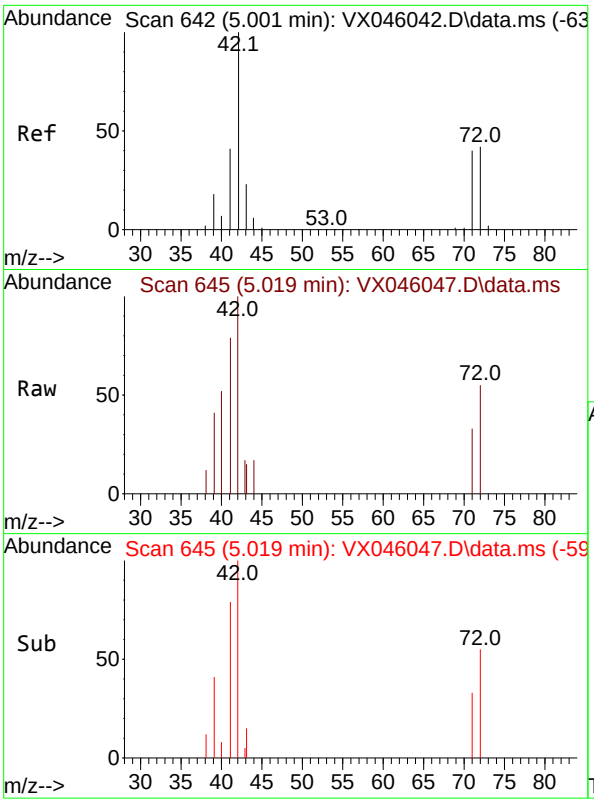


#28
Bromochloromethane
Concen: 0.619 ug/l m
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

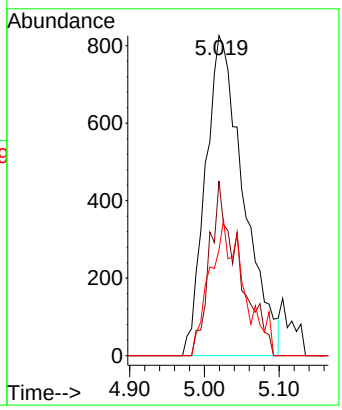




#29
Tetrahydrofuran
Concen: 3.338 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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 :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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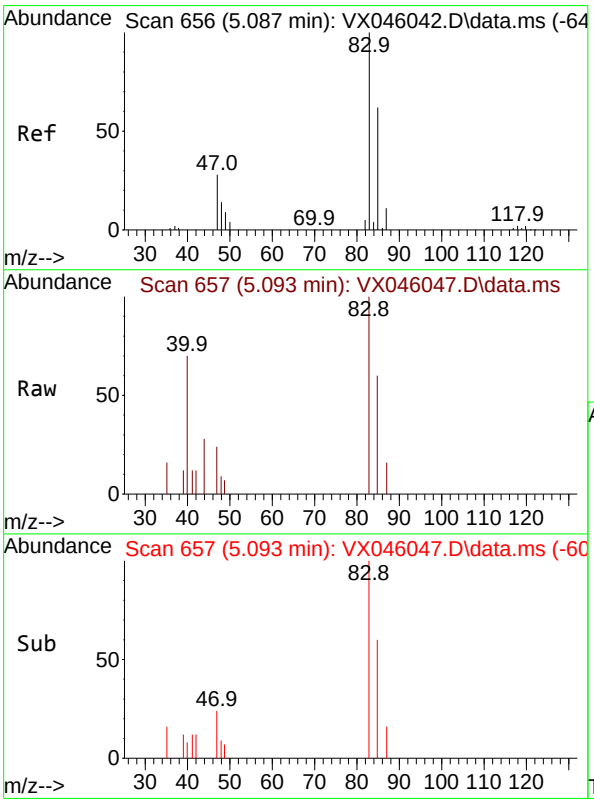
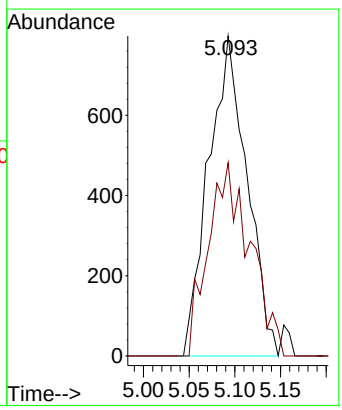
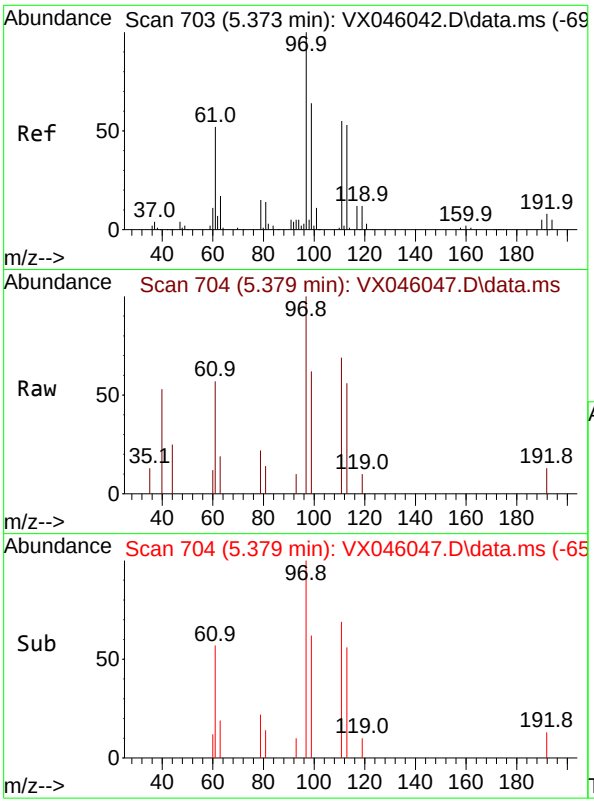


#30
Chloroform
Concen: 0.695 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2328

Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.3	73.9

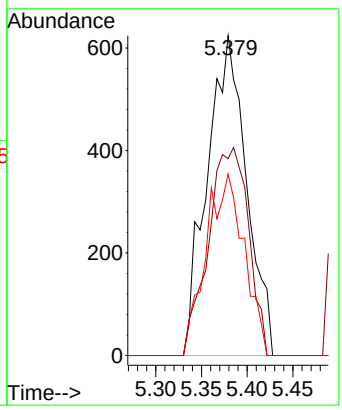




#32
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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 :
MSVOA_X
ClientSampleId :
VSTDICC001

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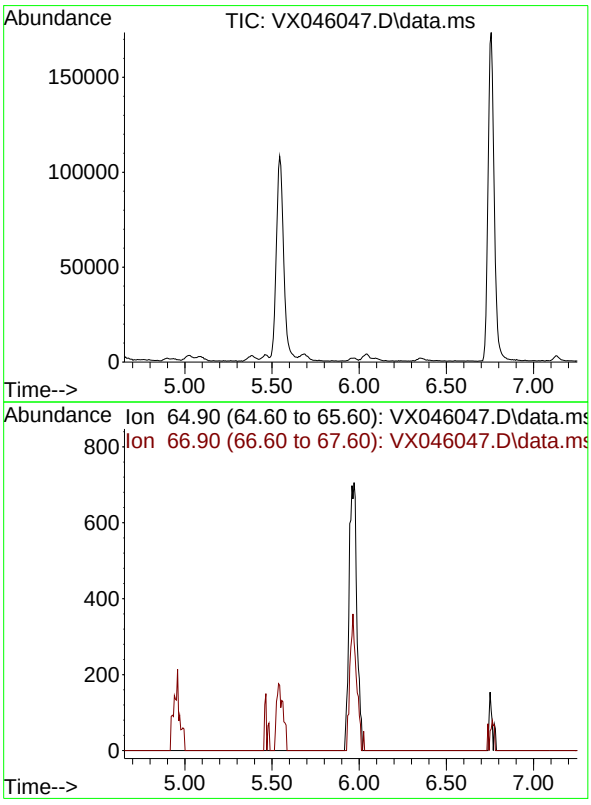
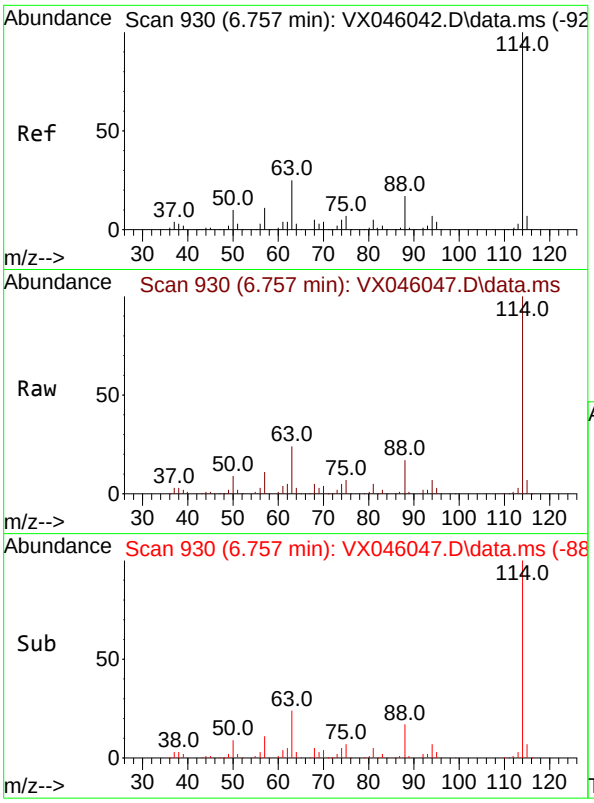


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

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 :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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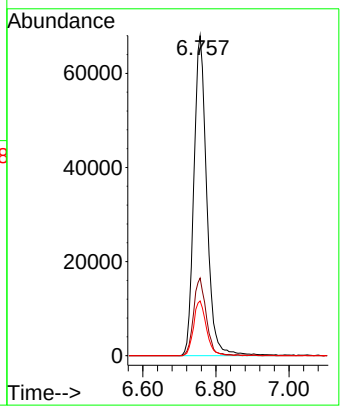
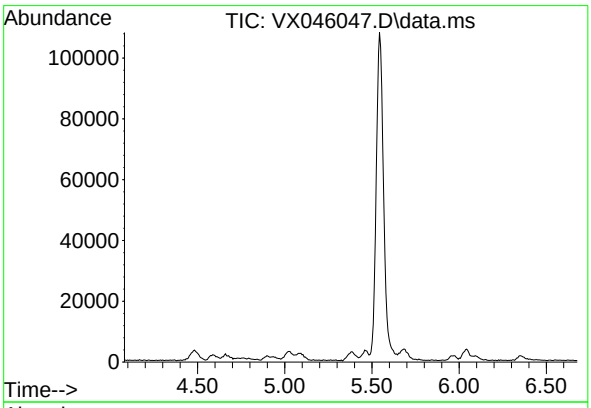
Supervised By :Mahesh Dadoda 05/06/2025



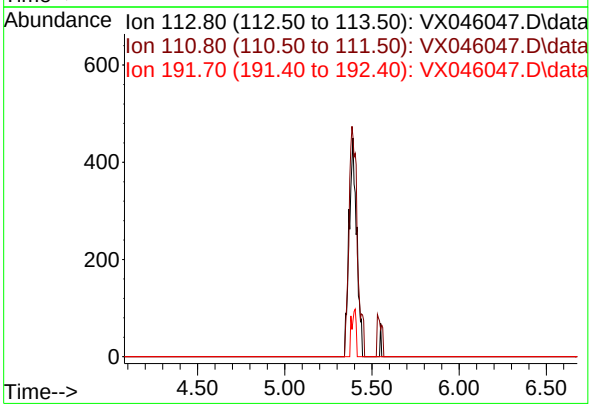


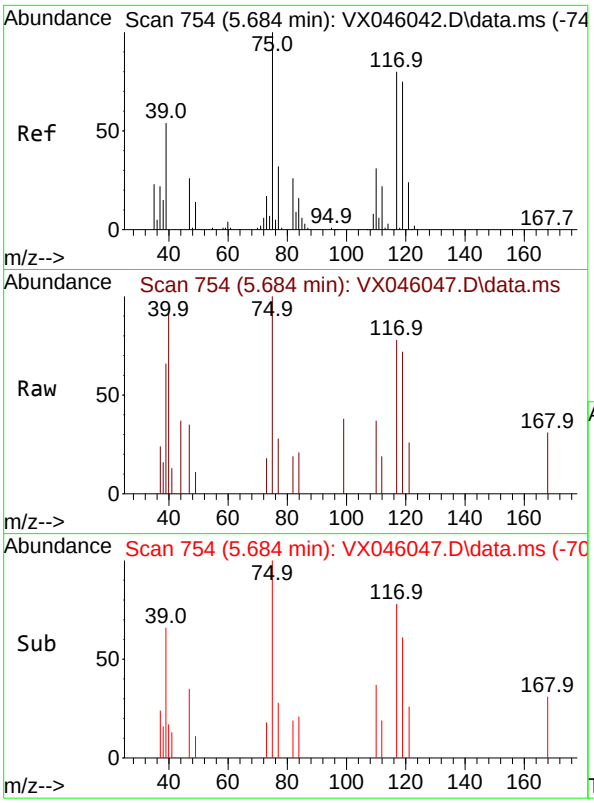
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	103.9
192	16.6

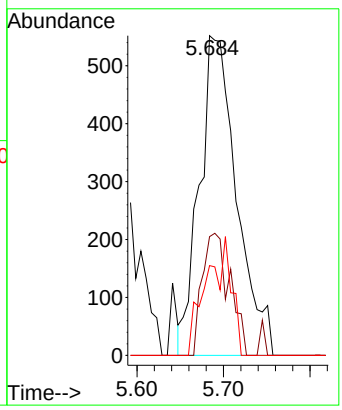




#36
1,1-Dichloropropene
Concen: 0.758 ug/l
RT: 5.684 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

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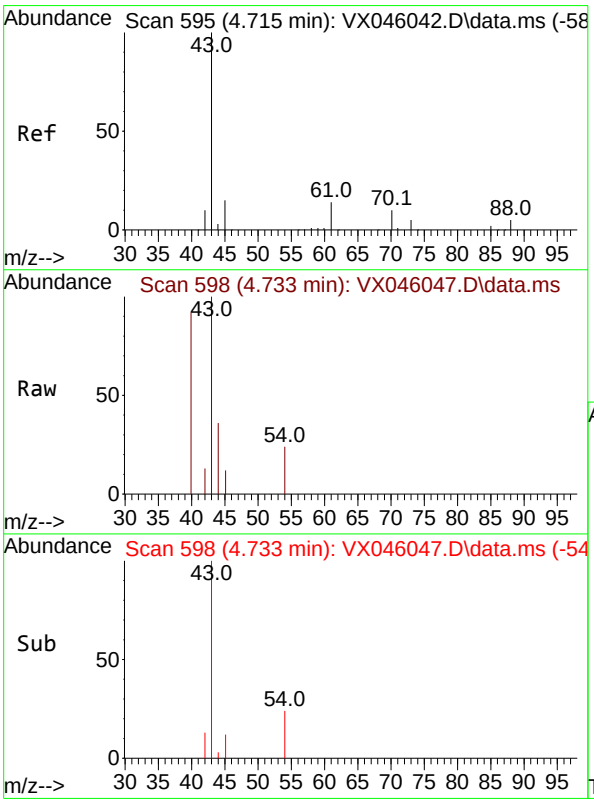
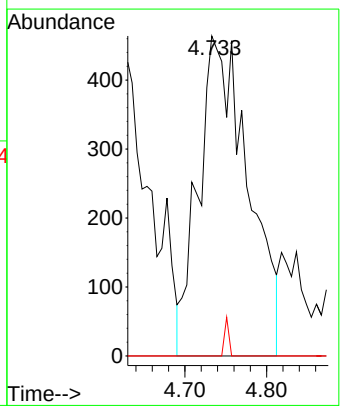
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

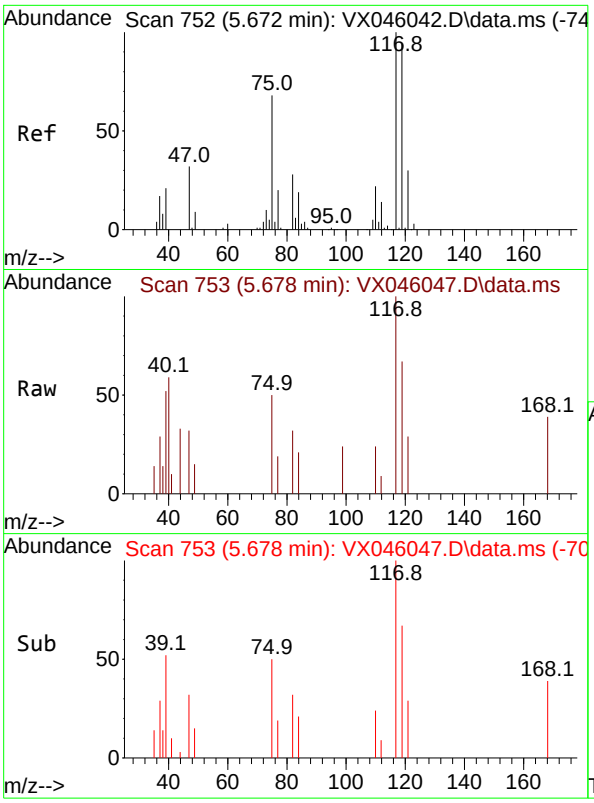


#37
Ethyl Acetate
Concen: 0.717 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

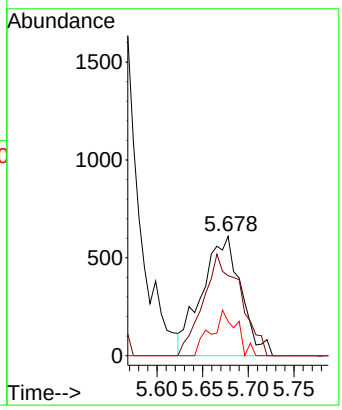




#38
Carbon Tetrachloride
Concen: 0.724 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Manual Integrations
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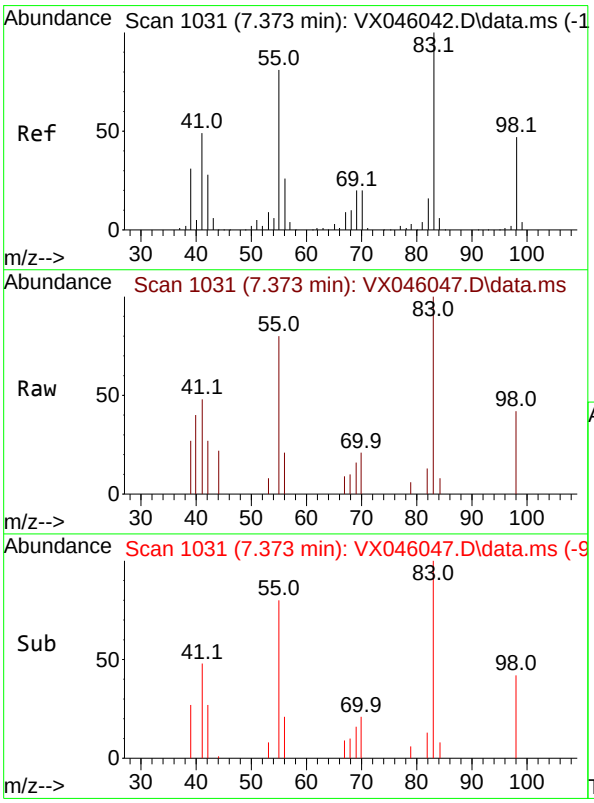
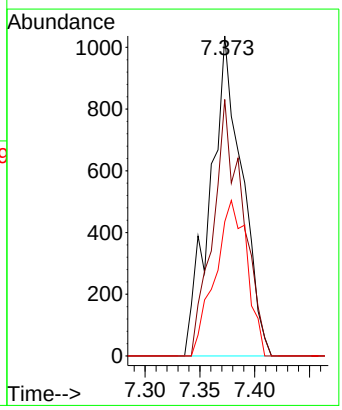
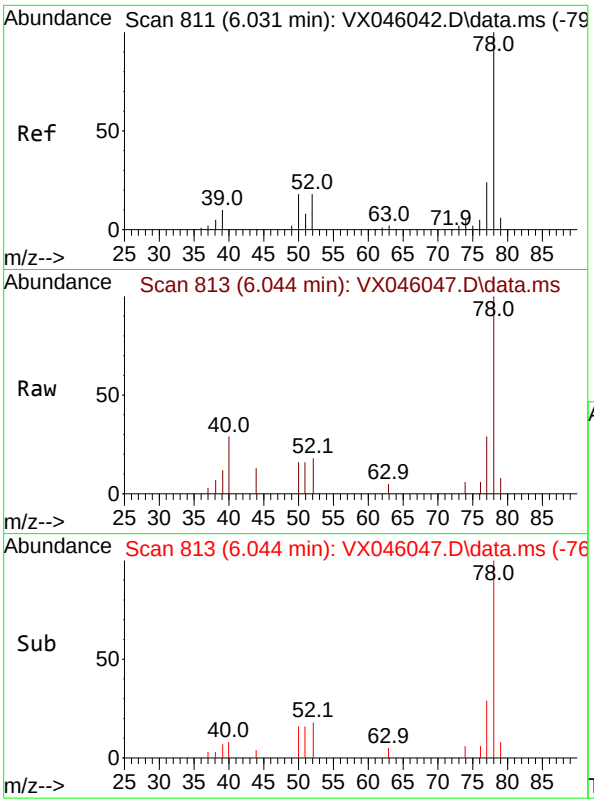


#39
Methylcyclohexane
Concen: 0.770 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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 :
VSTDICC001

Manual Integrations
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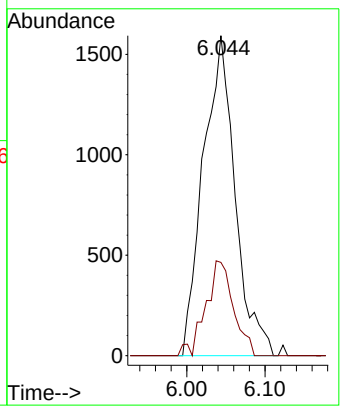
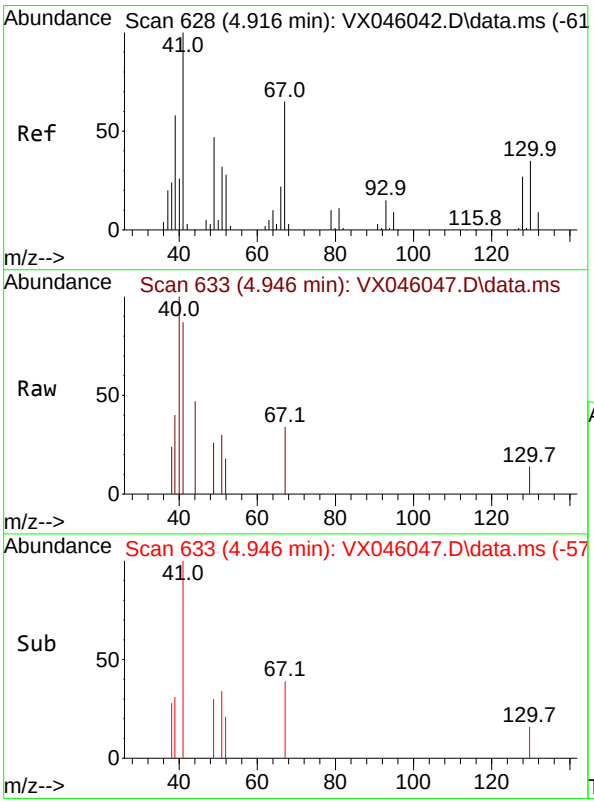
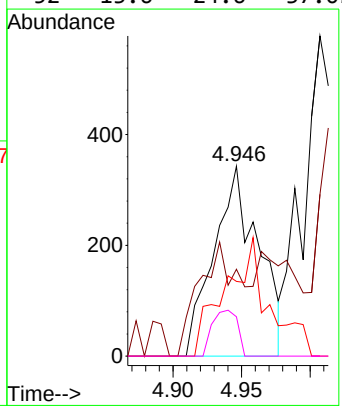


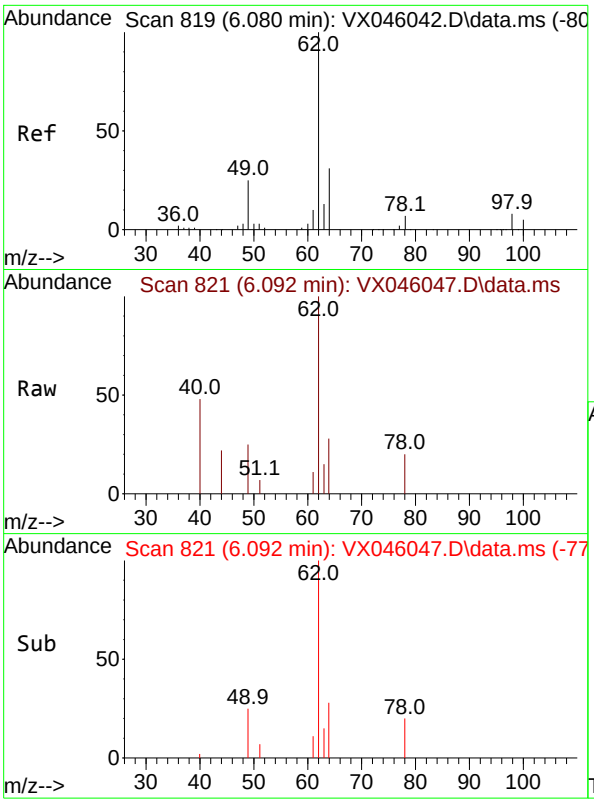


#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 4.946 min Scan# 633
Delta R.T. 0.030 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Manual Integrations
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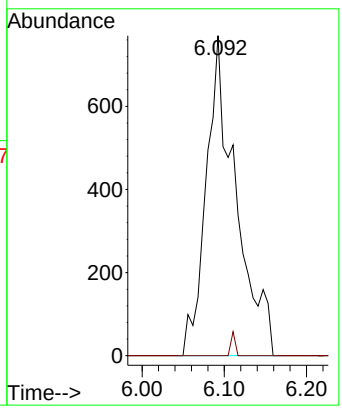
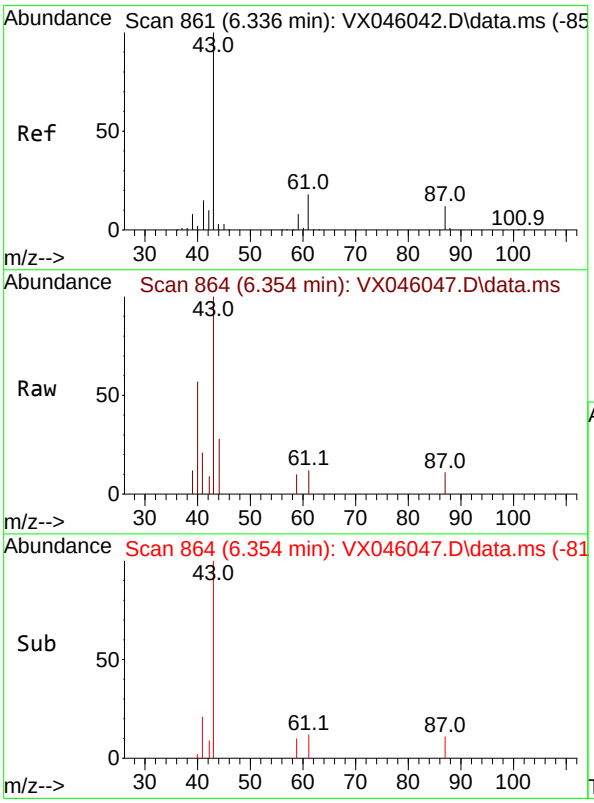
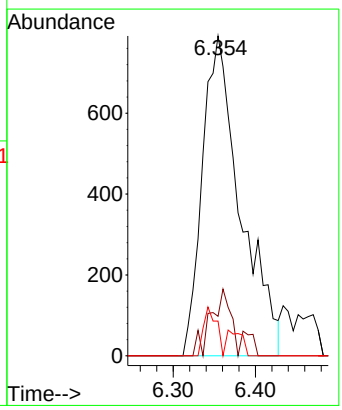


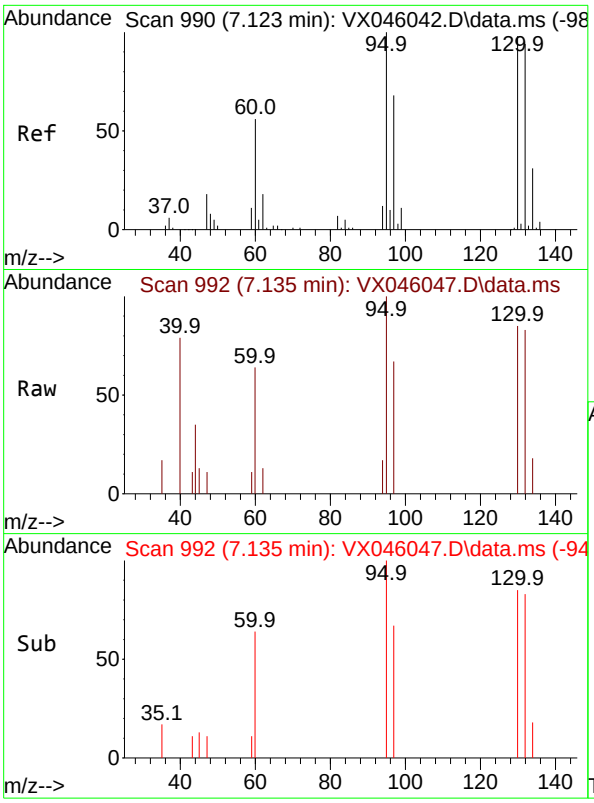


#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

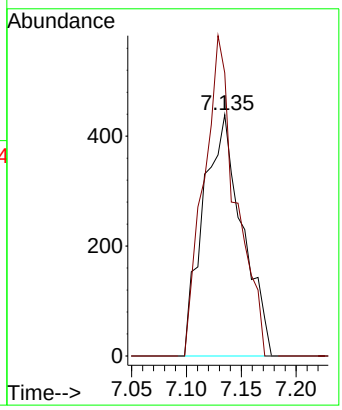




#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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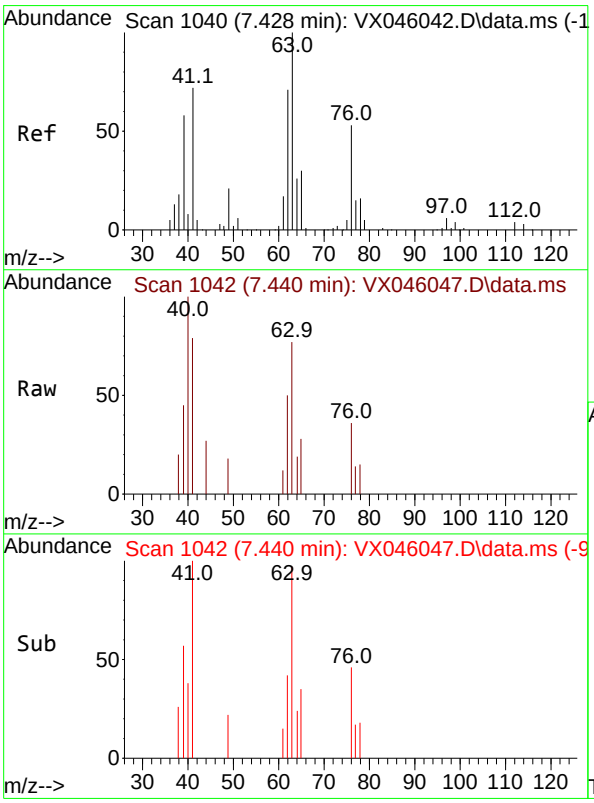
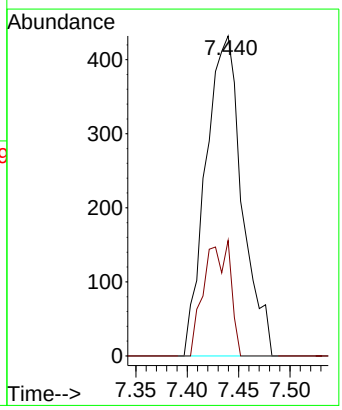
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

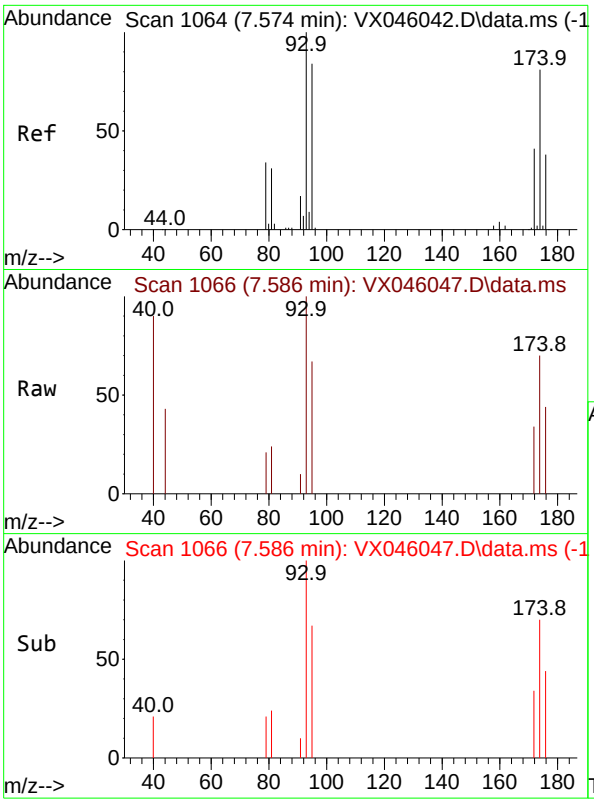


#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 1059

Ion	Ratio	Lower	Upper
63	100		
65	36.1	24.1	36.1

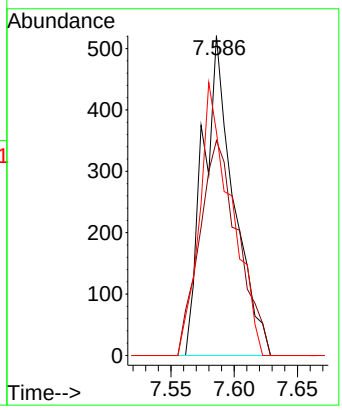




#46
Dibromomethane
Concen: 0.667 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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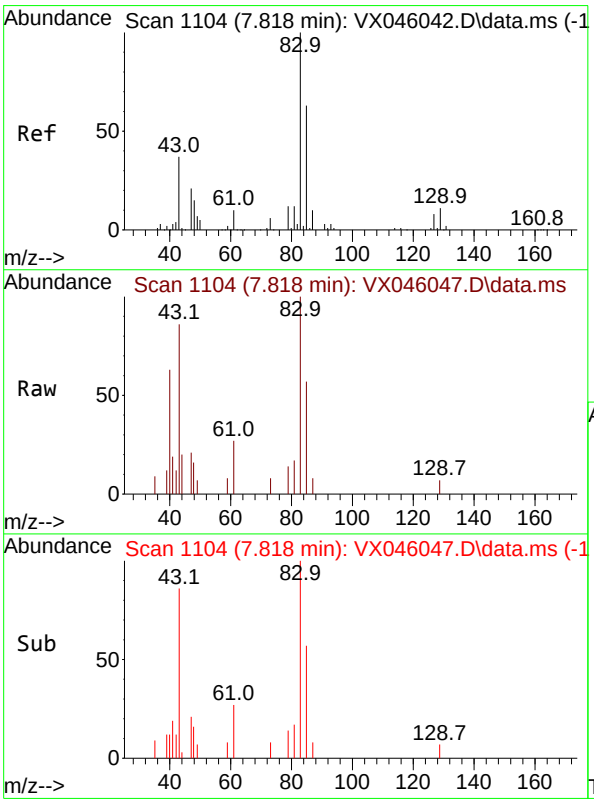
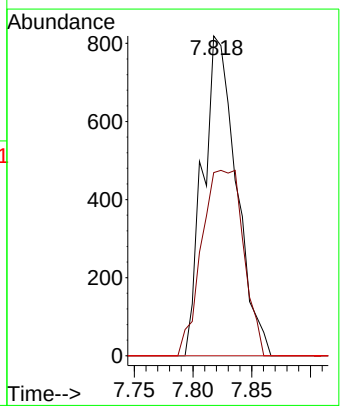
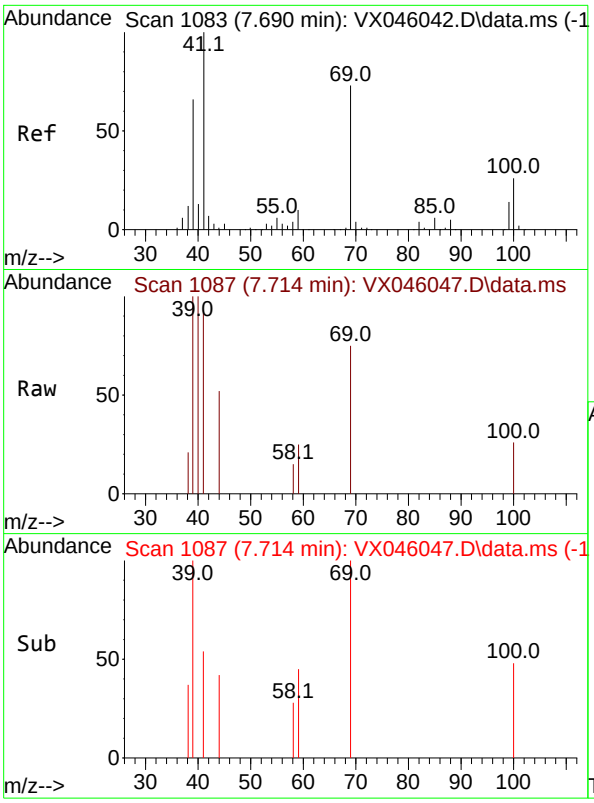


#47
Bromodichloromethane
Concen: 0.633 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

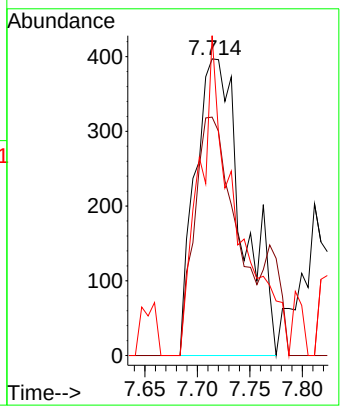




#48
Methyl methacrylate
Concen: 0.577 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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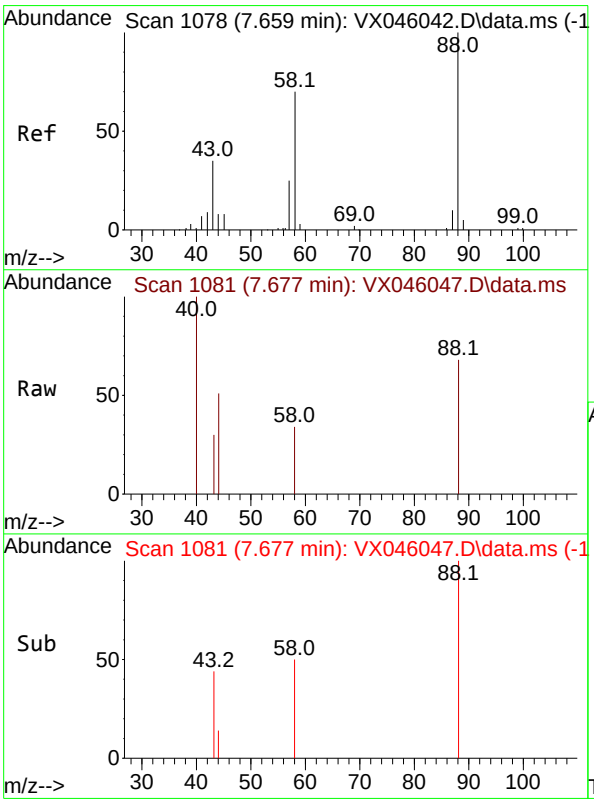
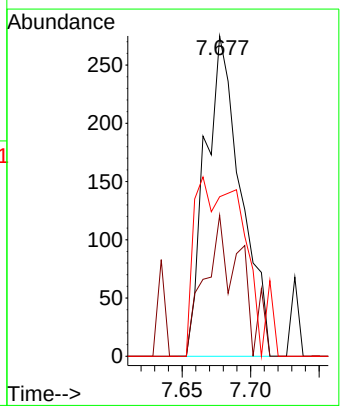
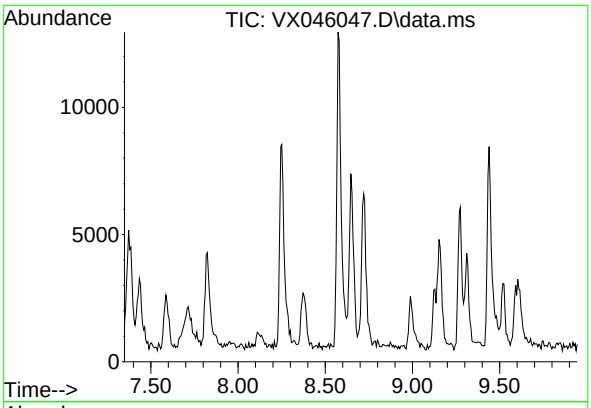


#49
1,4-Dioxane
Concen: 11.703 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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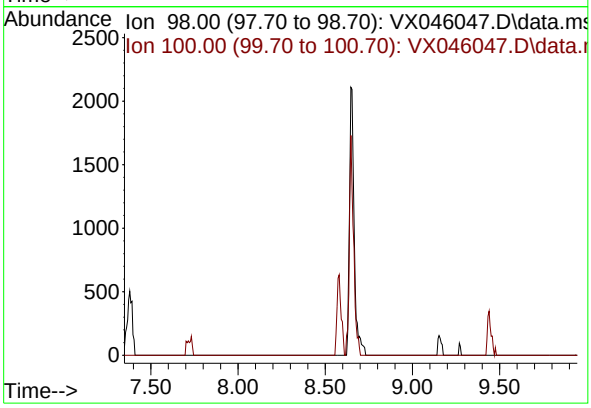
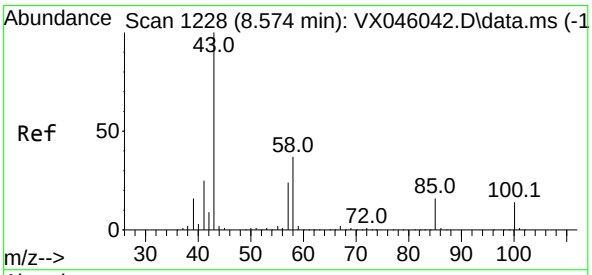
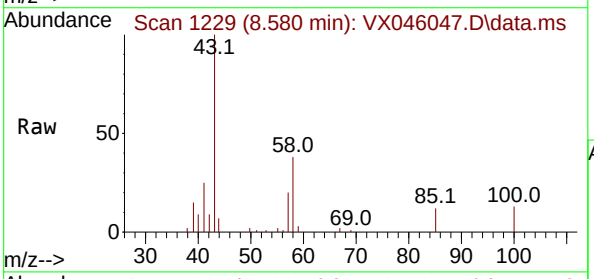


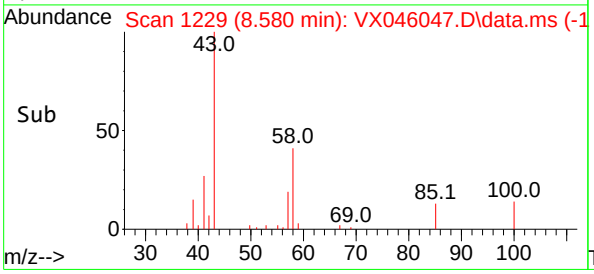


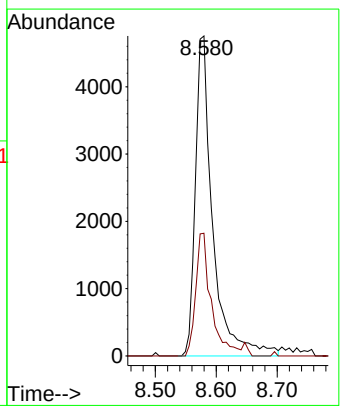
#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

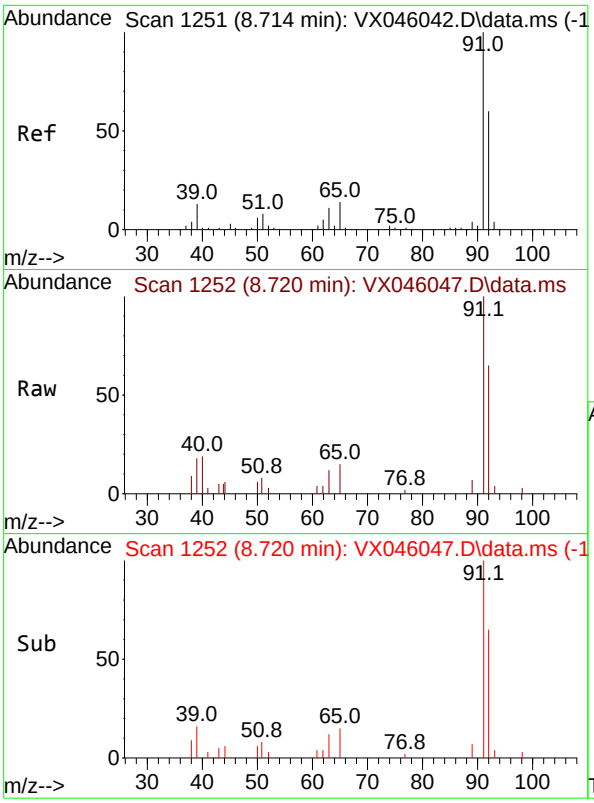
Tgt Ion: 43 Resp: 9378

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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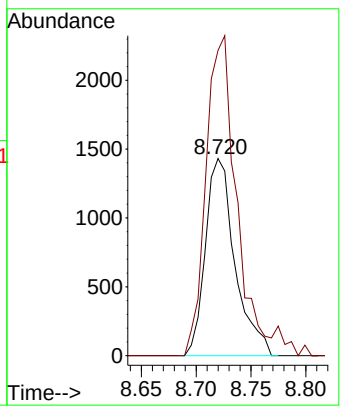
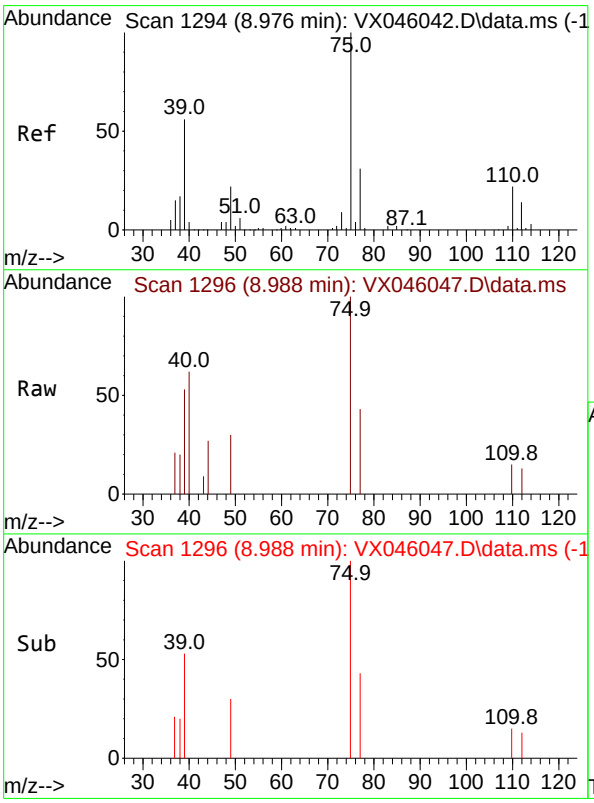
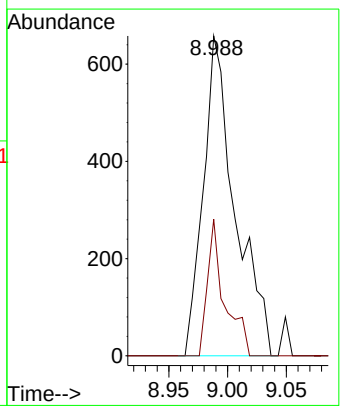


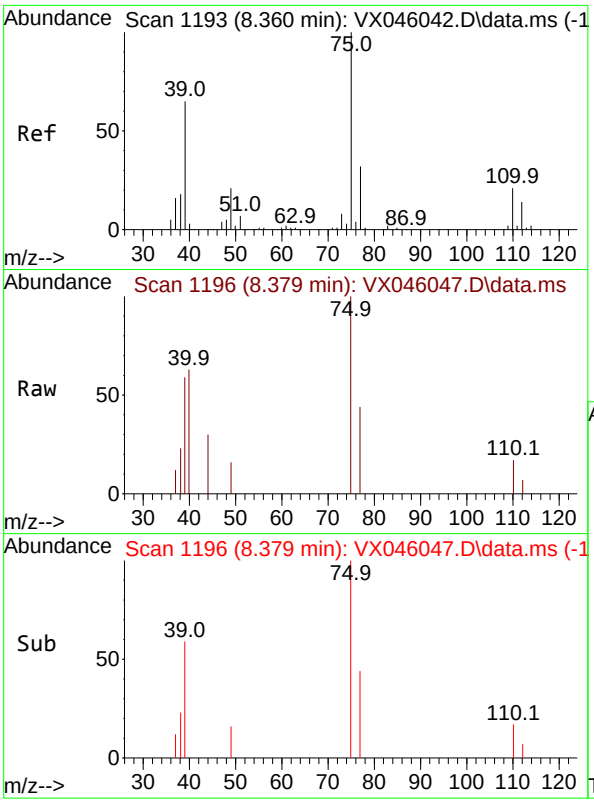


#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	42.7	25.0	37.6#

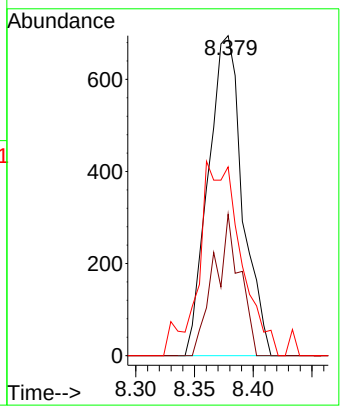




#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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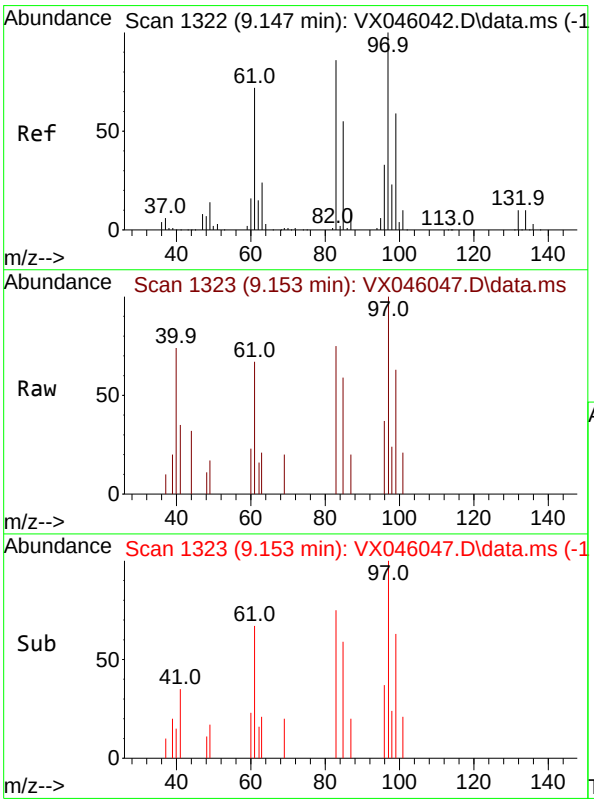
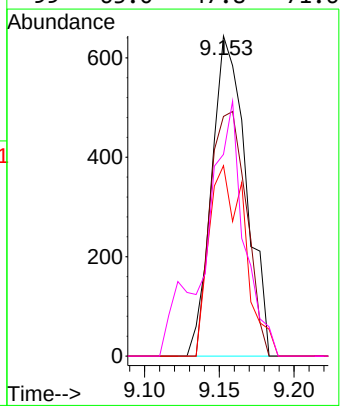
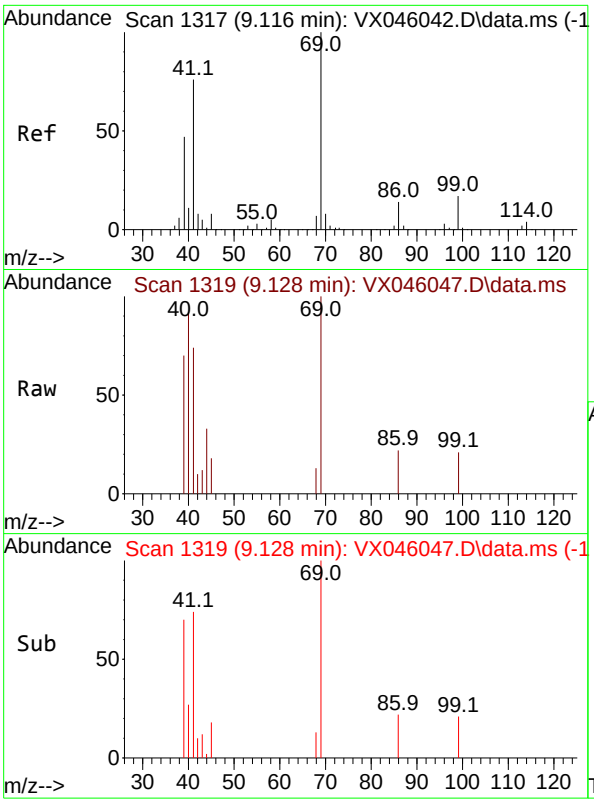


#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

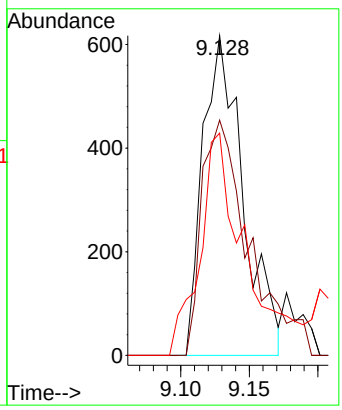




#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 9.128 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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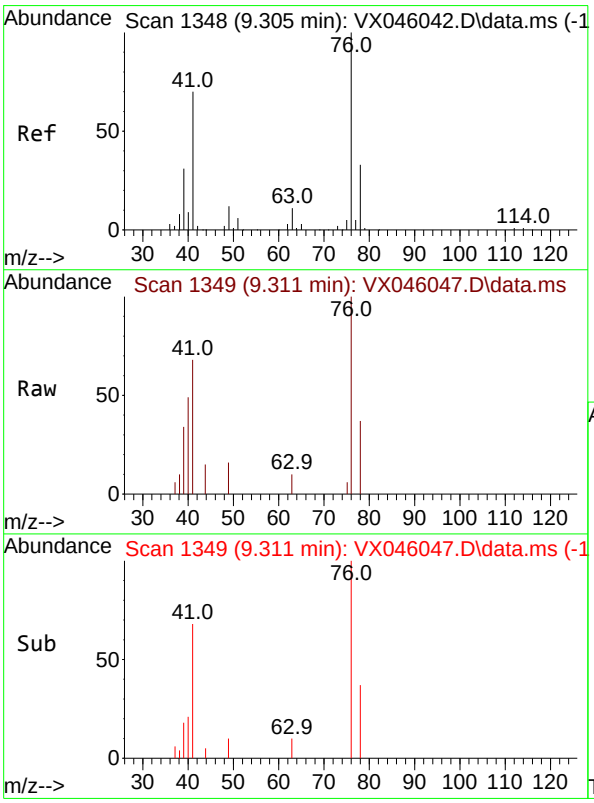
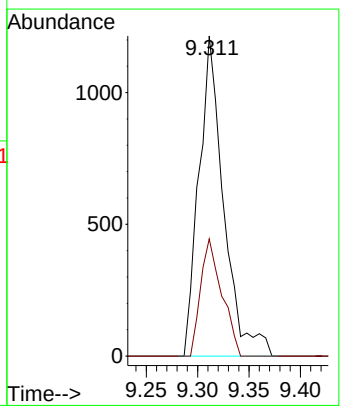
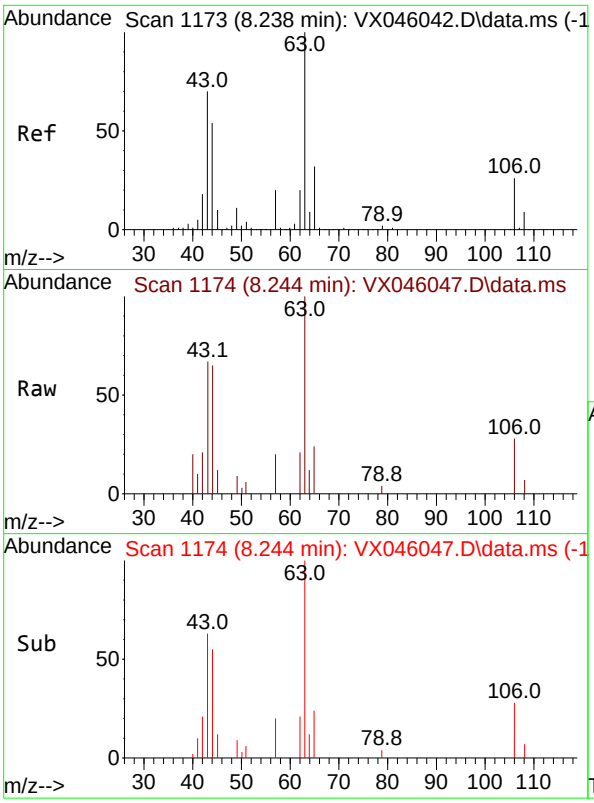


#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

Manual Integrations
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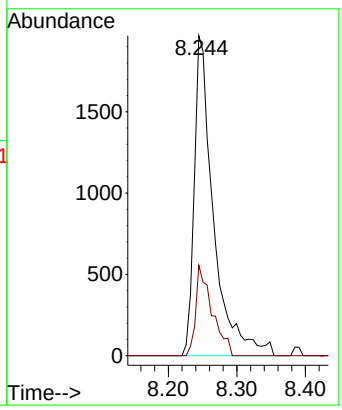
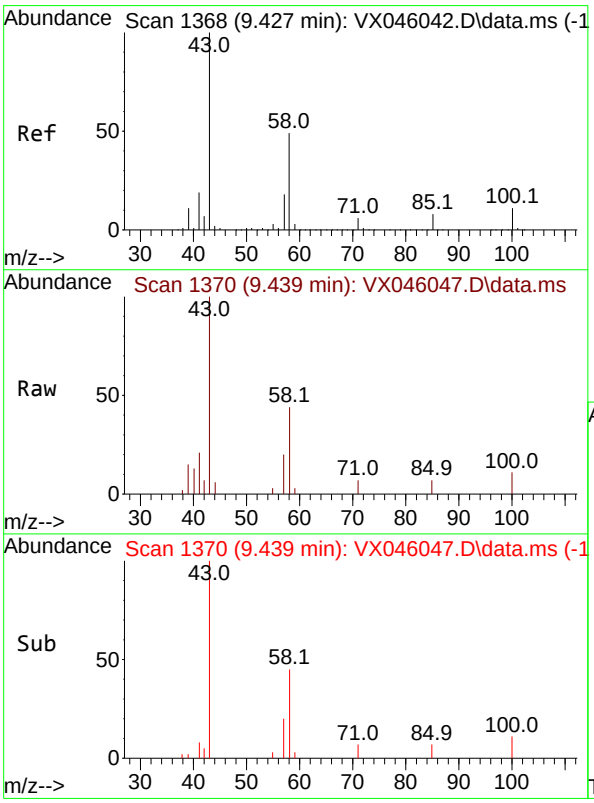
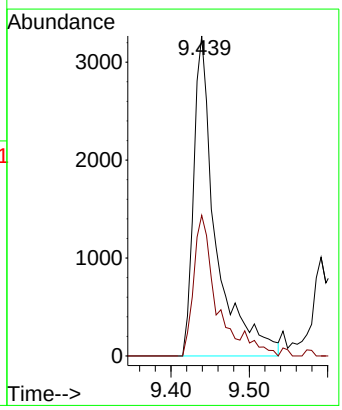


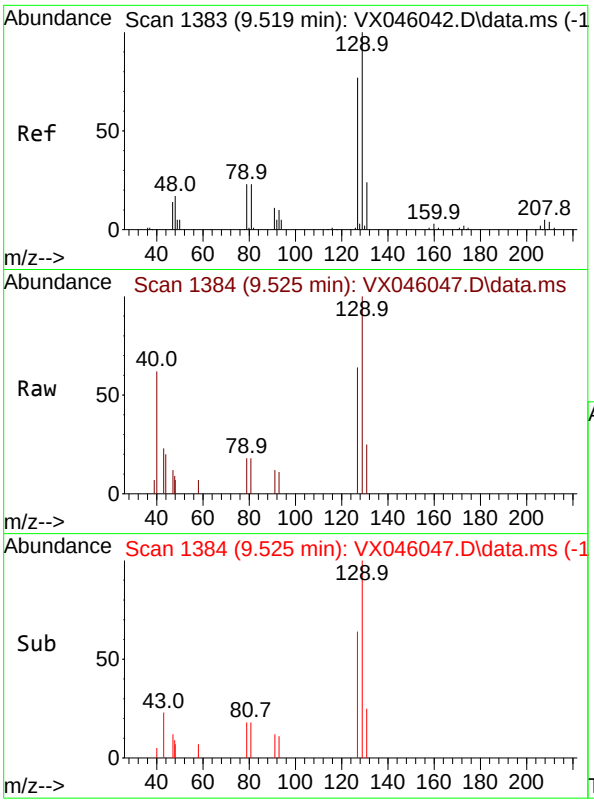


#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 6424

Ion	Ratio	Lower	Upper
43	100		
58	41.6	24.9	74.6

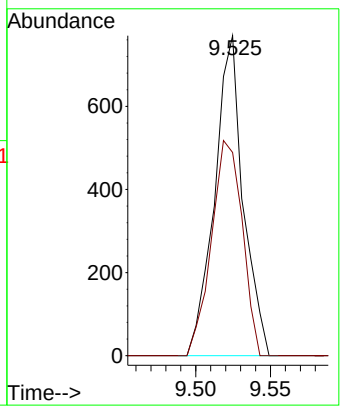




#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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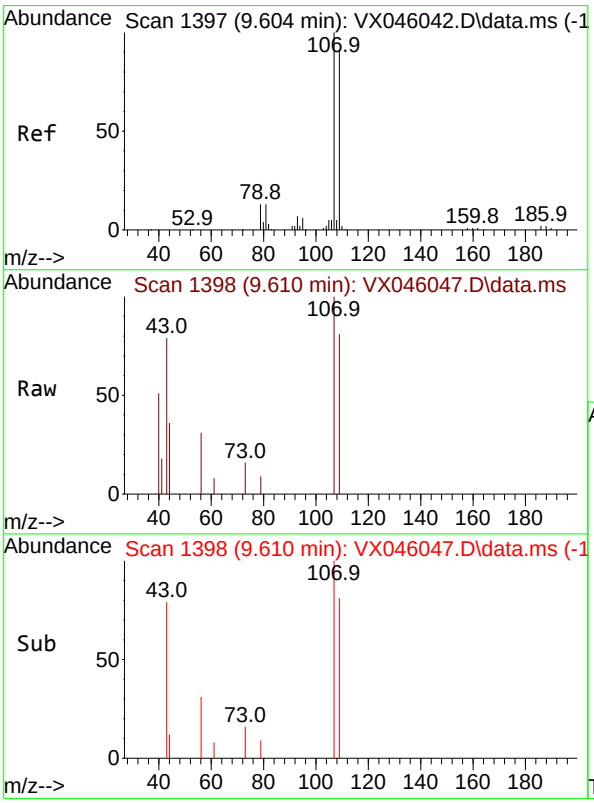
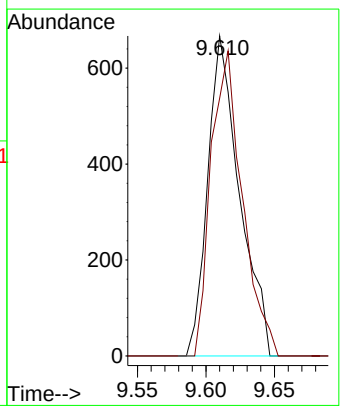
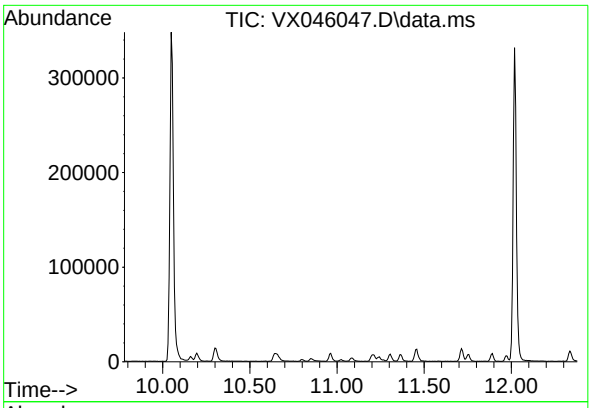


#61
1,2-Dibromoethane
Concen: 0.650 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

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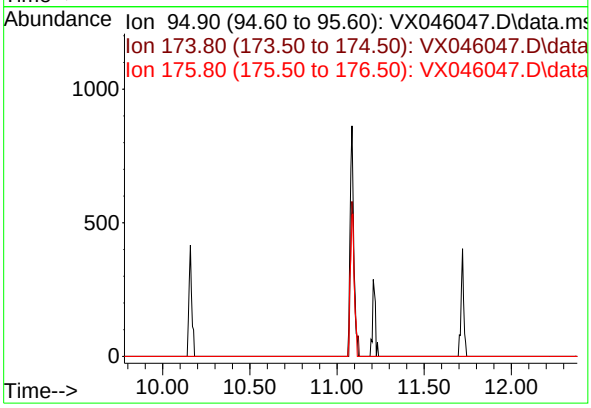
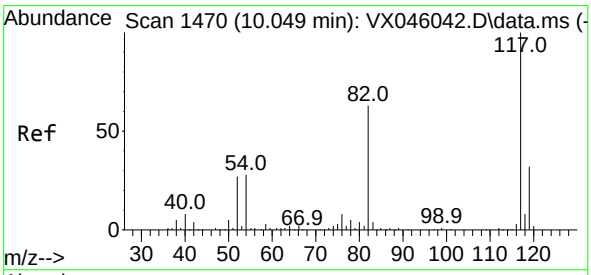
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

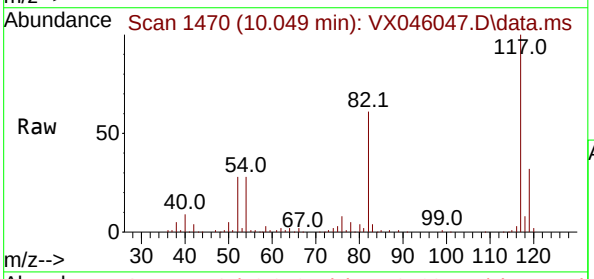


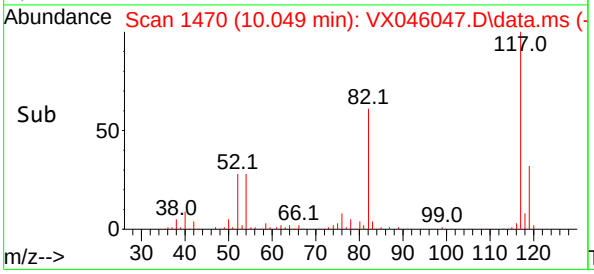


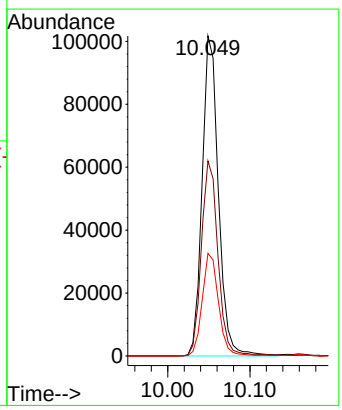
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

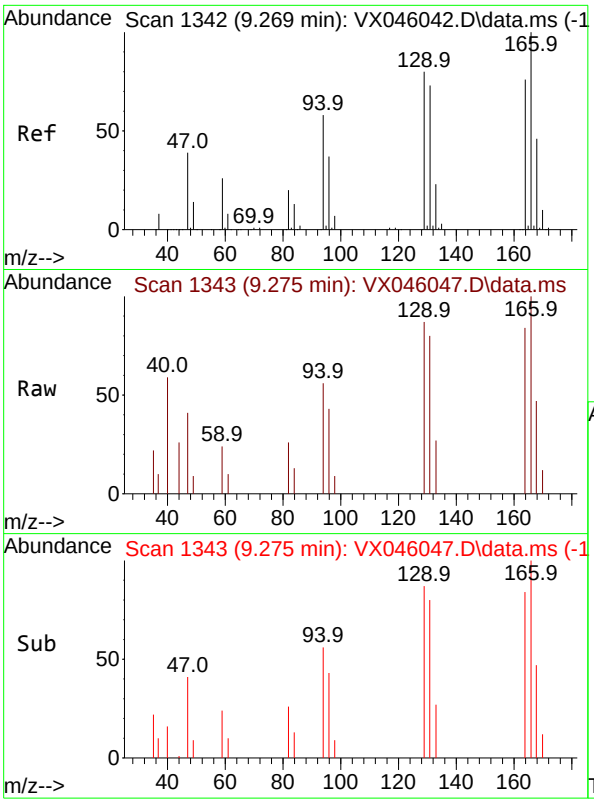
Tgt Ion:117 Resp: 140108

Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	32.1	25.8	38.6





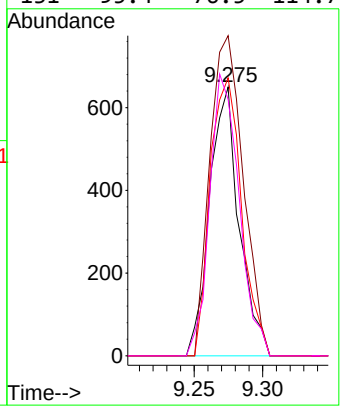




#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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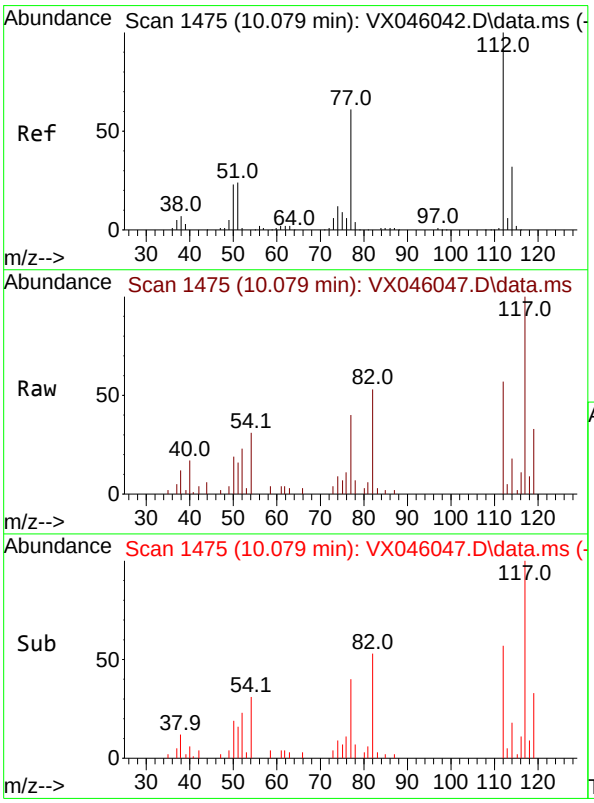
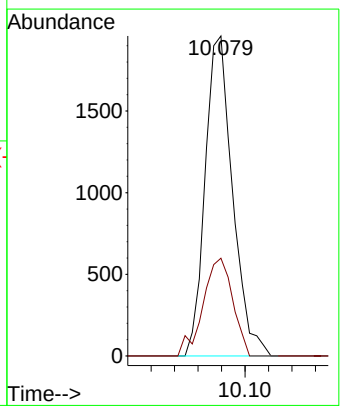
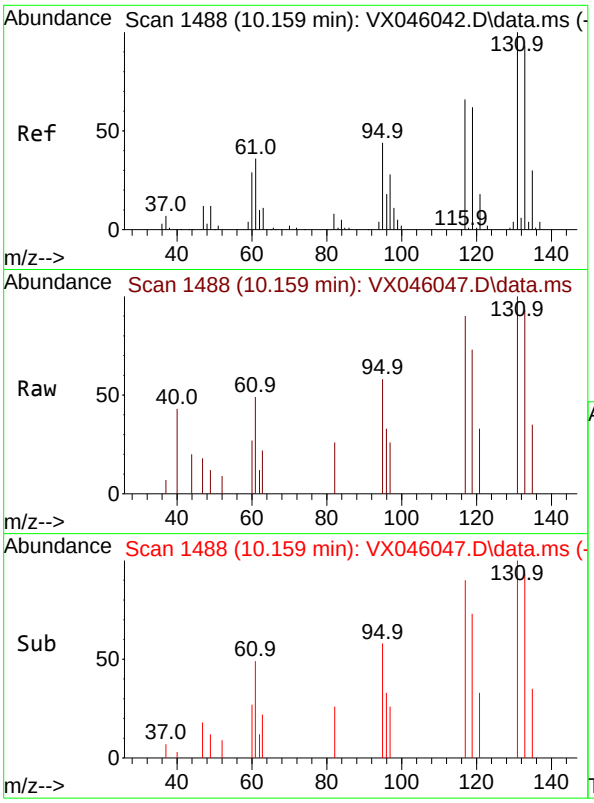


#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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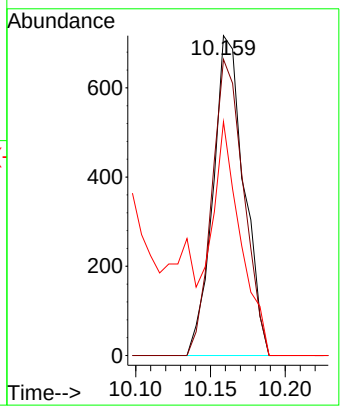
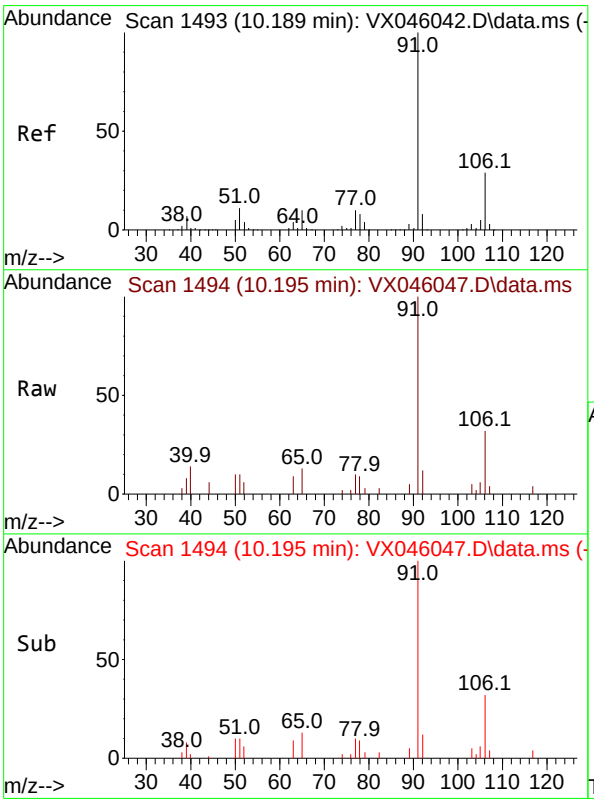
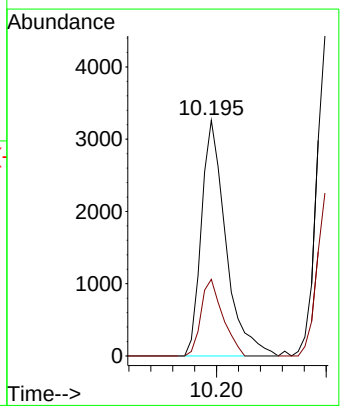


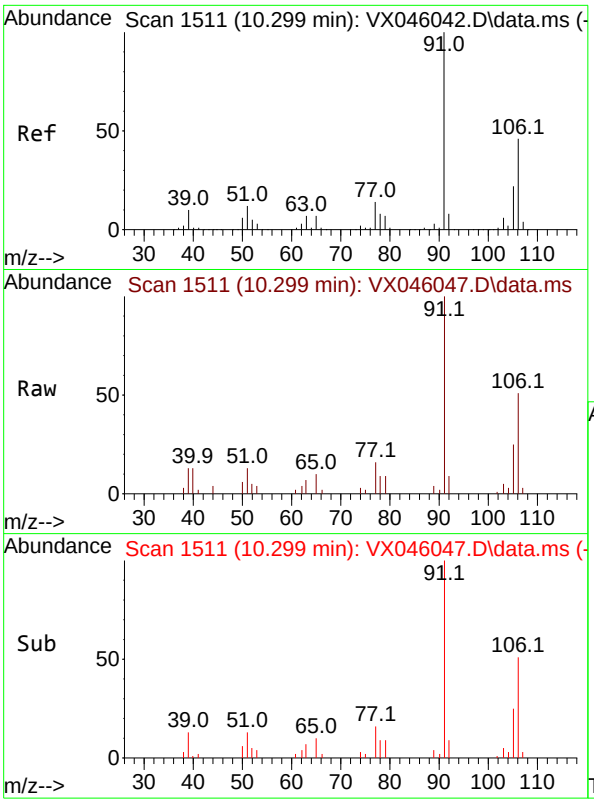


#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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 :
MSVOA_X
ClientSampleId :
VSTDICC001

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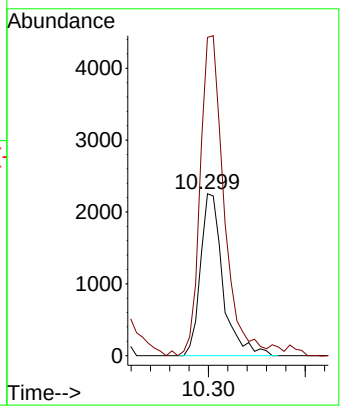
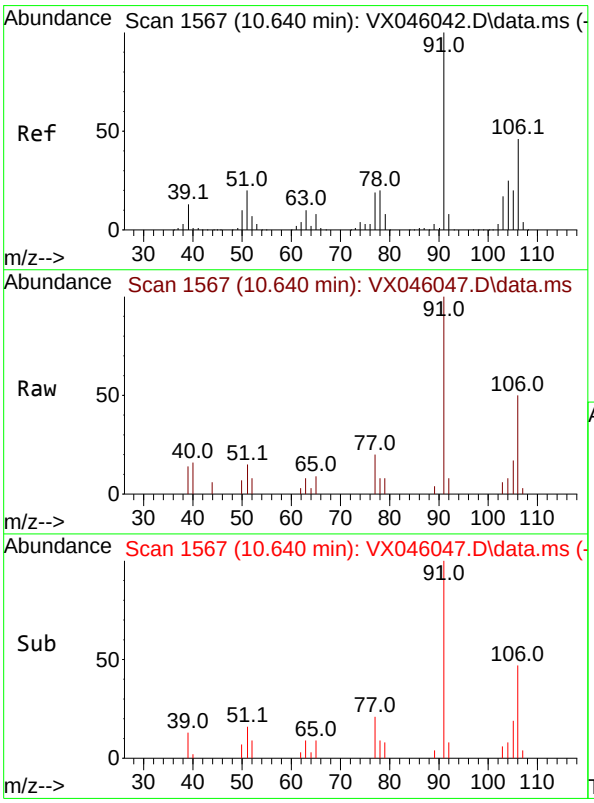
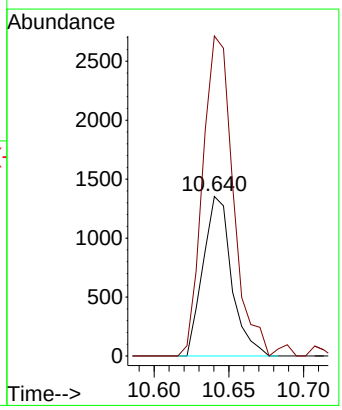


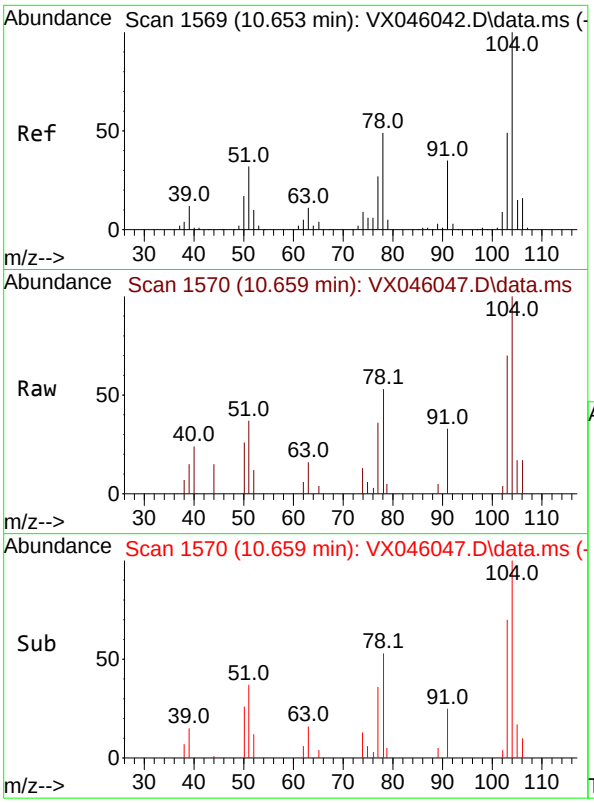


#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 1799

Ion	Ratio	Lower	Upper
106	100		
91	214.9	112.7	338.1

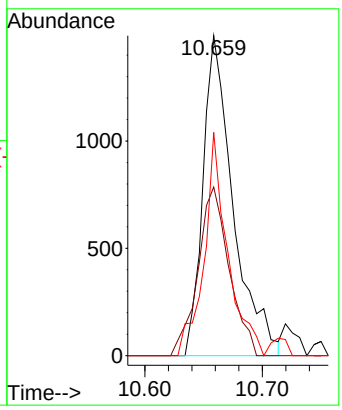




#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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 :
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ClientSampleId :
VSTDICC001

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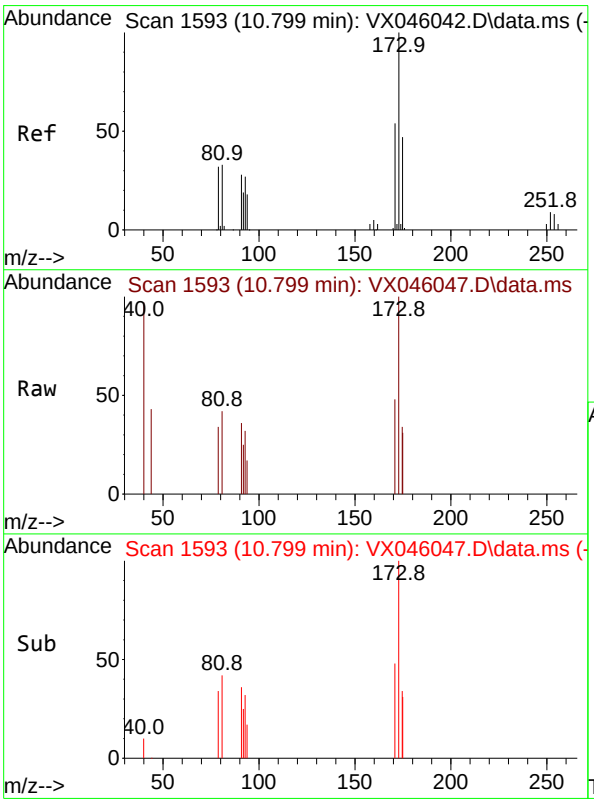
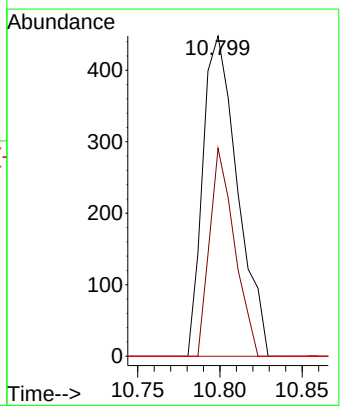
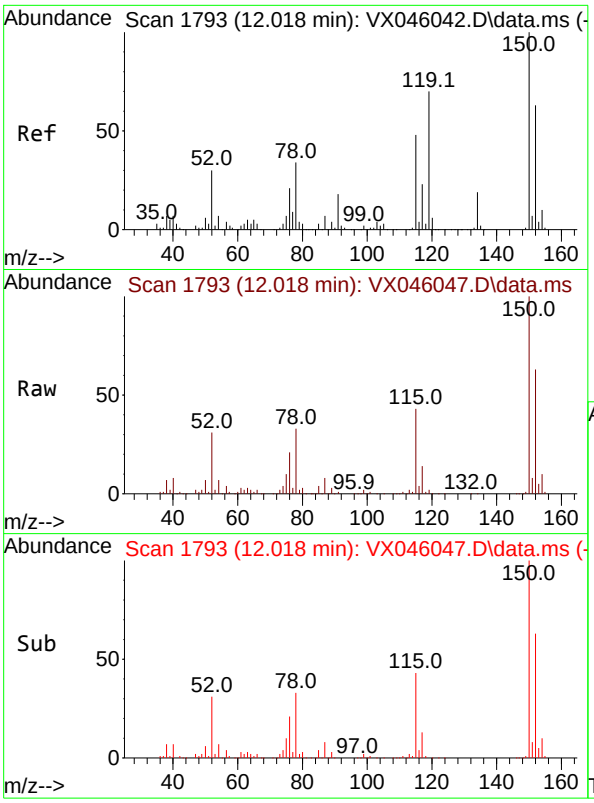


#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

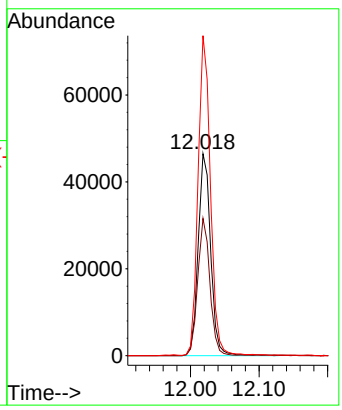




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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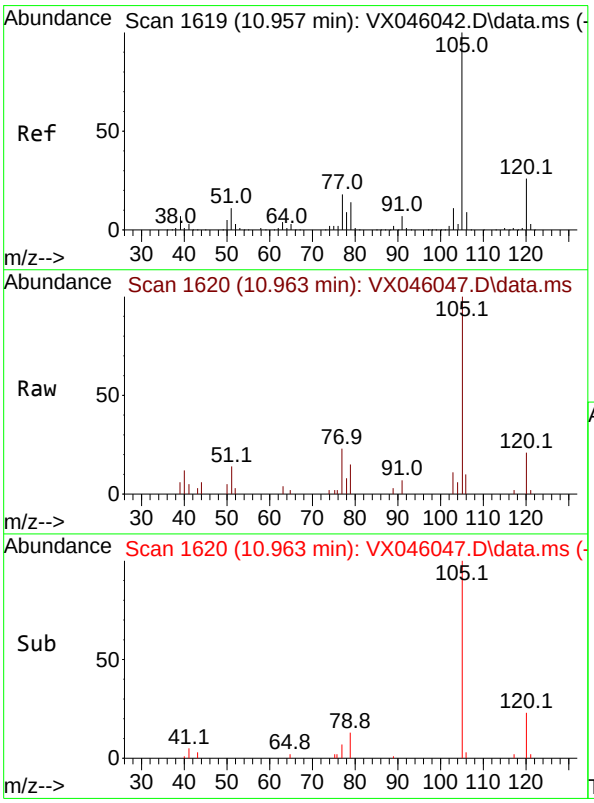
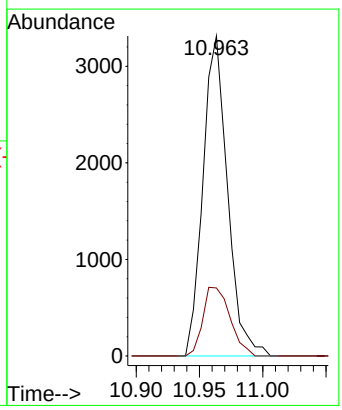
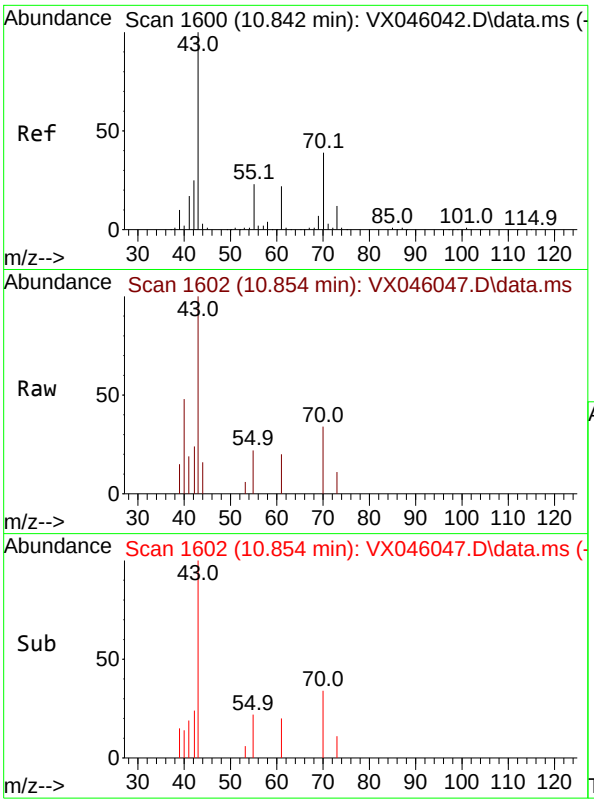


#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 4480

Ion	Ratio	Lower	Upper
105	100		
120	23.7	12.8	38.4

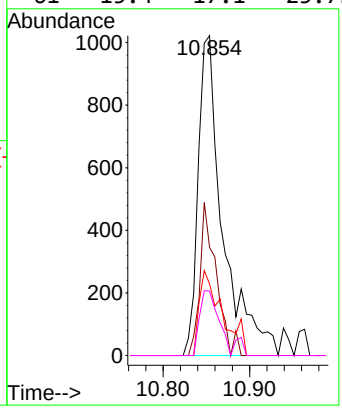




#74
N-amyl acetate
Concen: 0.631 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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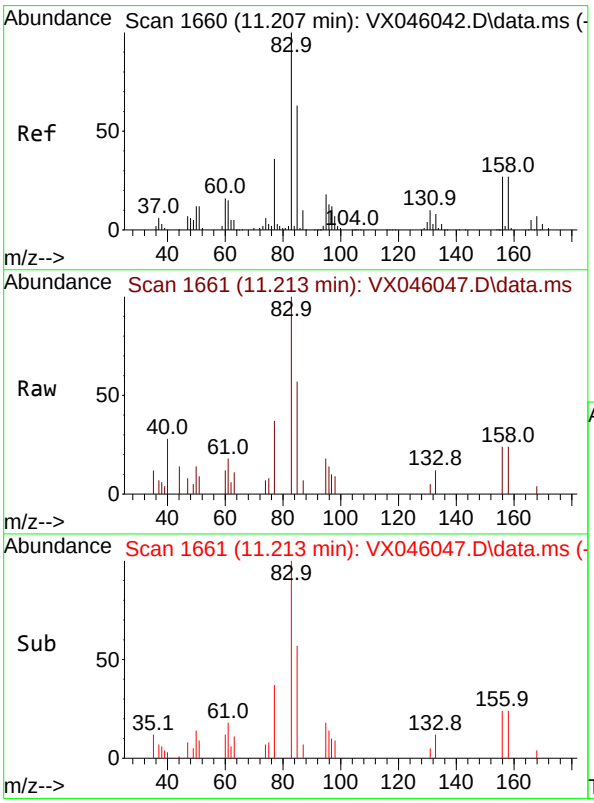
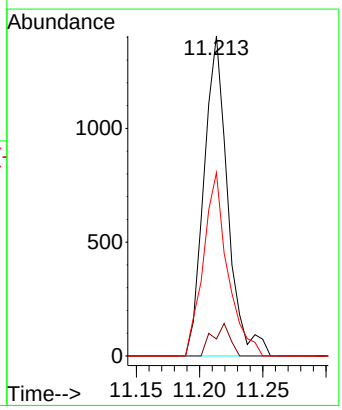
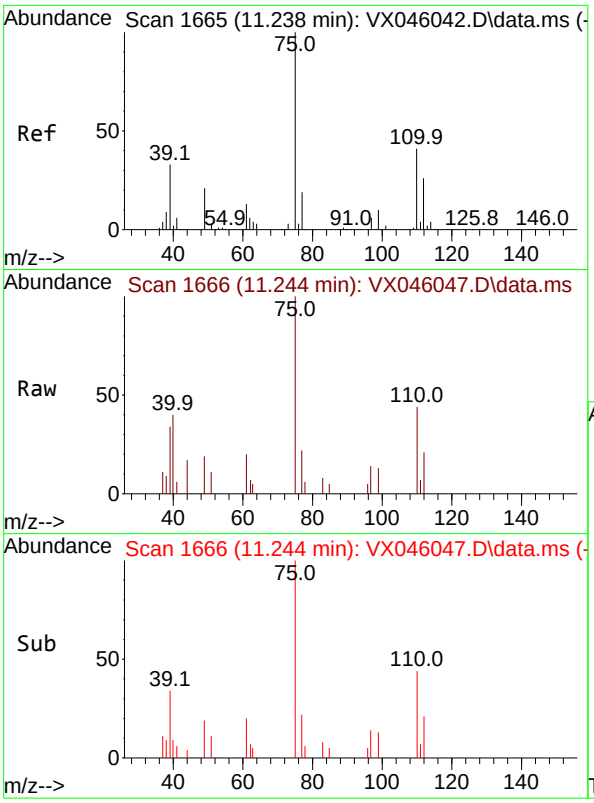


#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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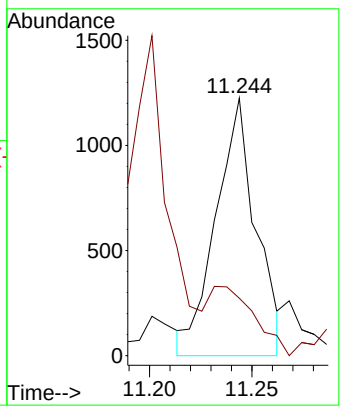
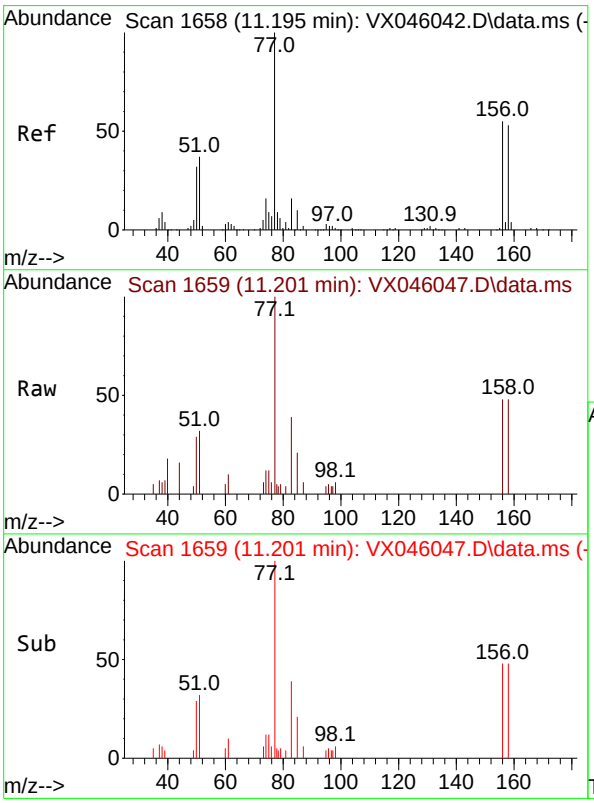
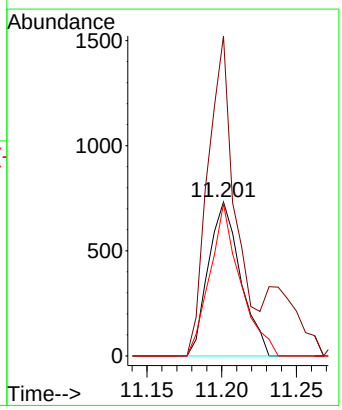


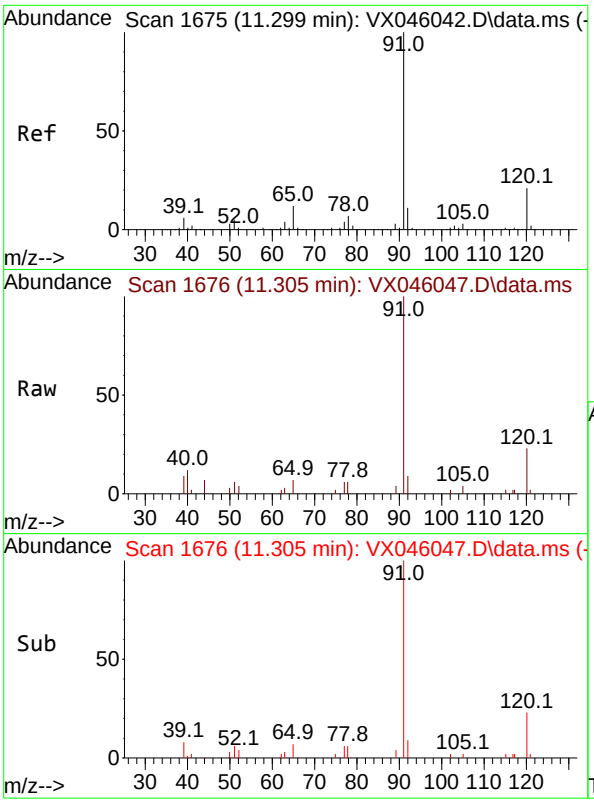


#77
Bromobenzene
Concen: 0.734 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

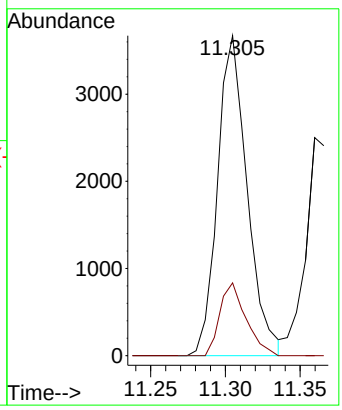




#78
n-propylbenzene
Concen: 0.699 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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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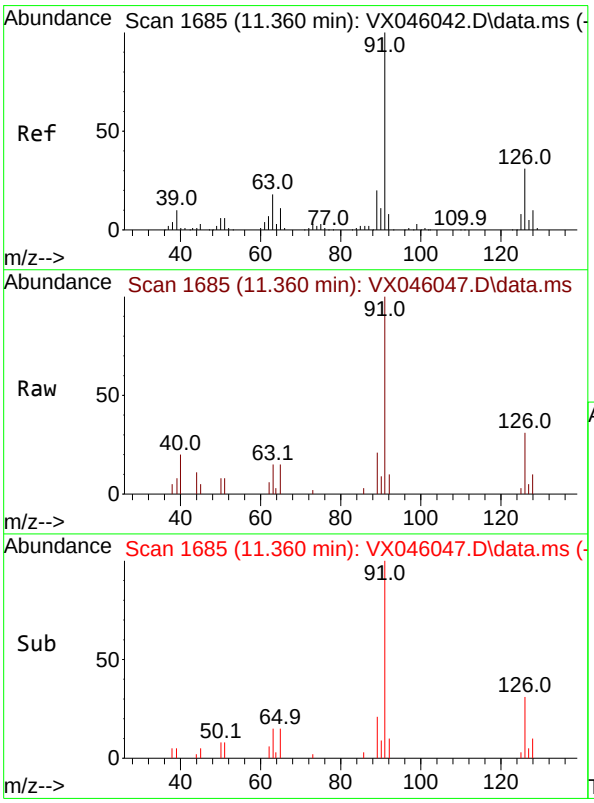
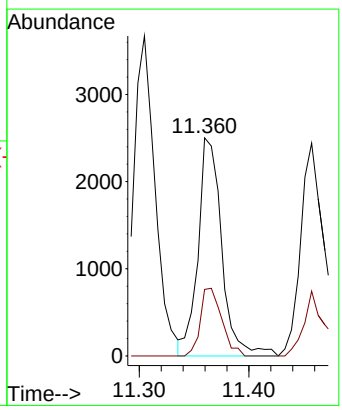
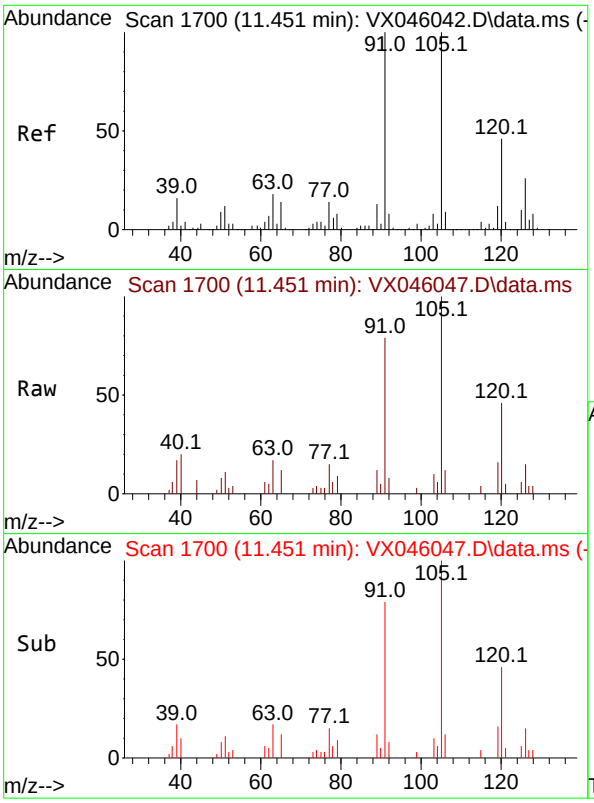


#79
2-Chlorotoluene
Concen: 0.773 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

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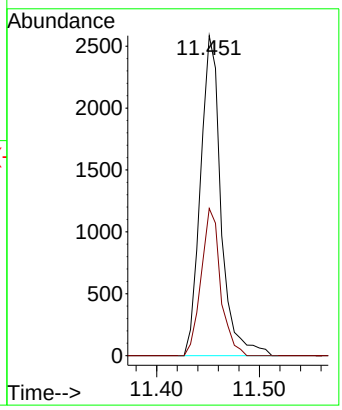
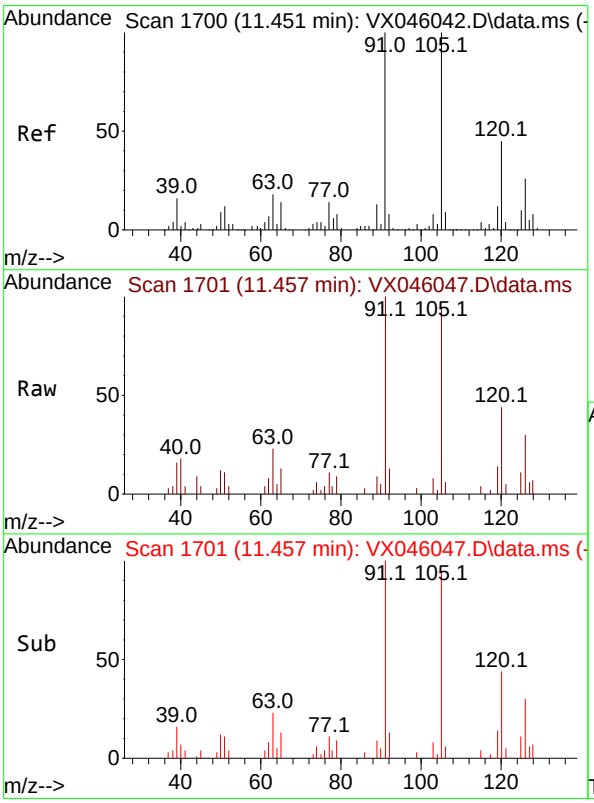
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

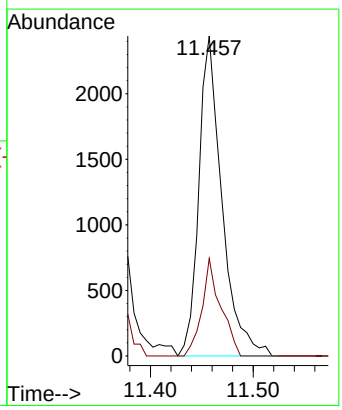


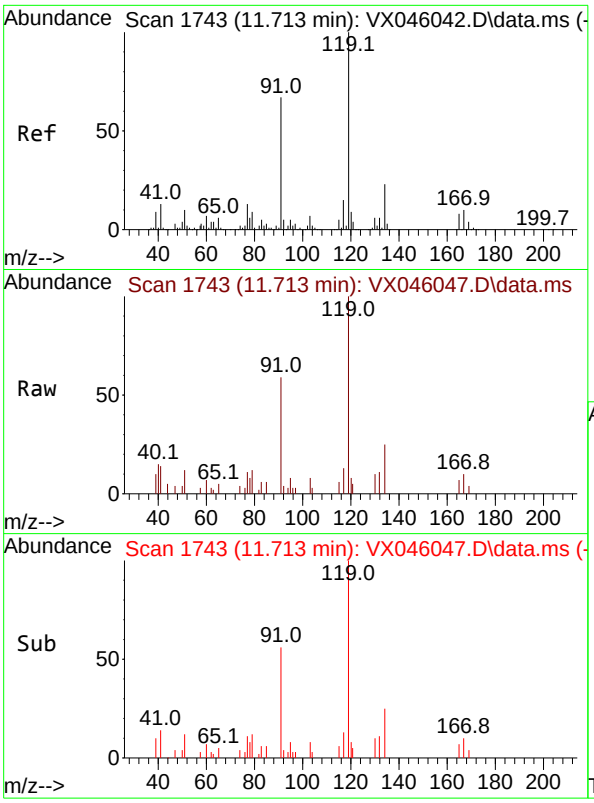


#82
4-Chlorotoluene
Concen: 0.713 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3815

Ion	Ratio	Lower	Upper
91	100		
126	24.8	13.3	39.8

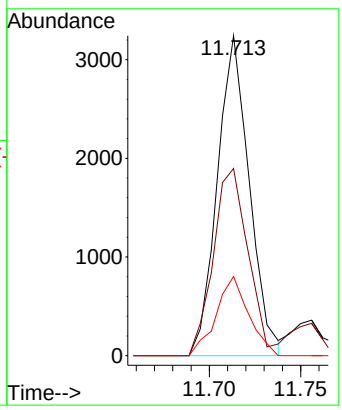




#83
tert-Butylbenzene
Concen: 0.751 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 395

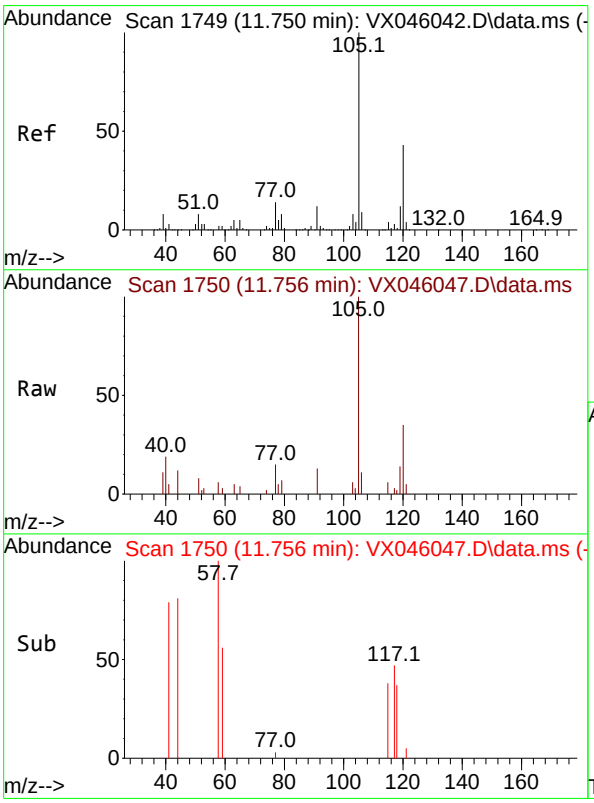
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.9	98.7
134	25.2	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

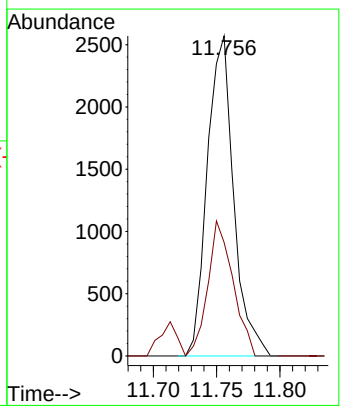
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

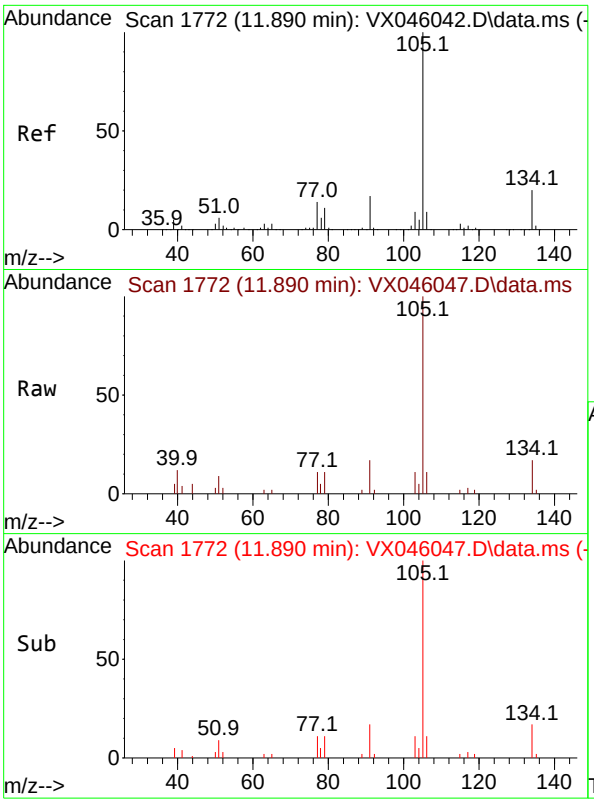


#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

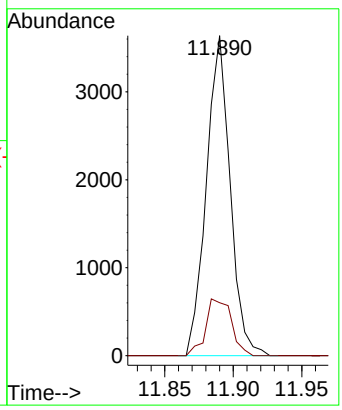
Tgt Ion:105 Resp: 438

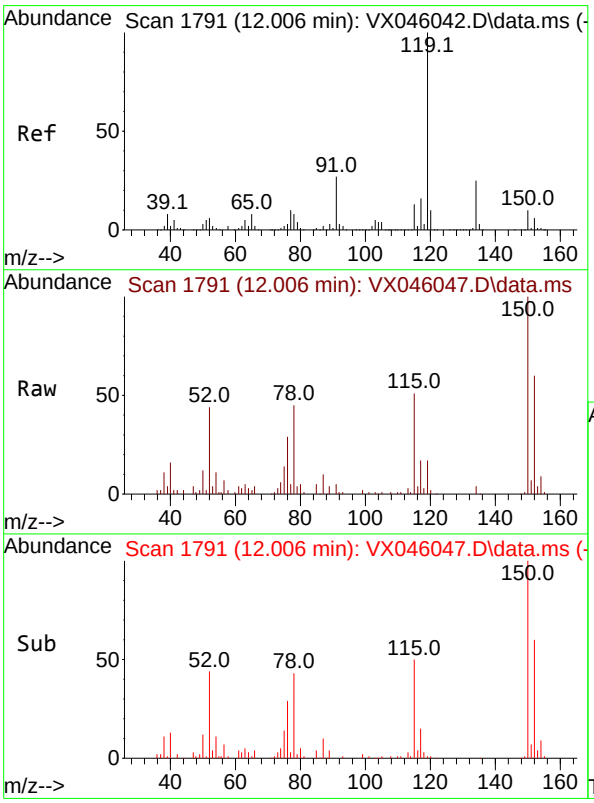
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

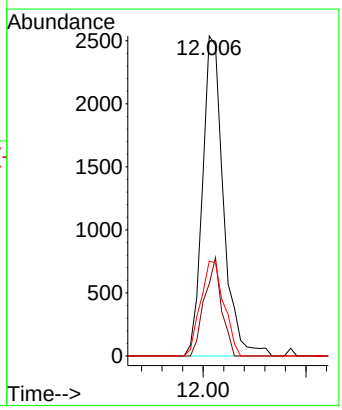


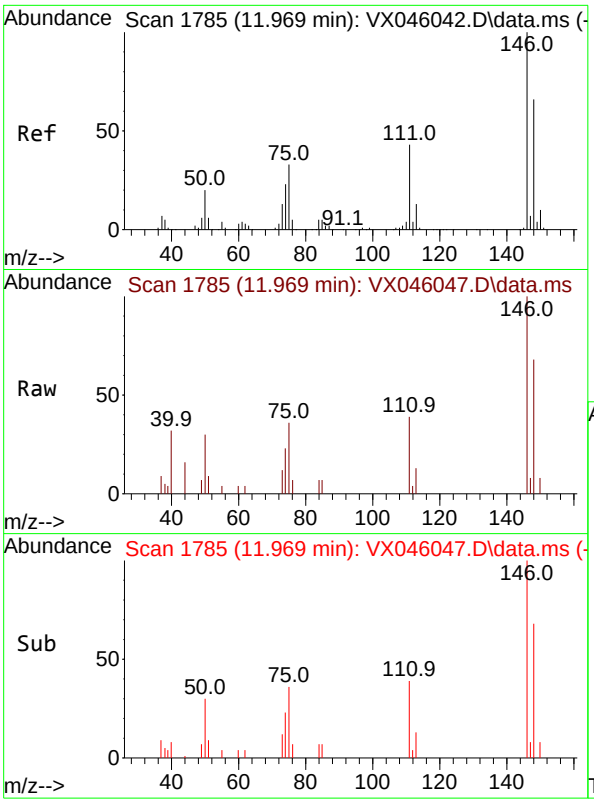


#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

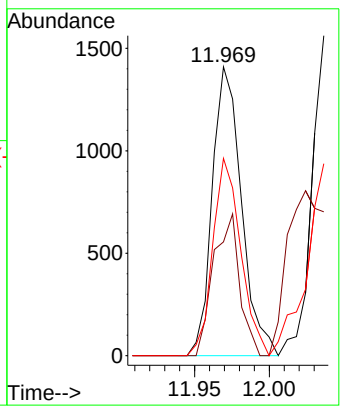




#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 191

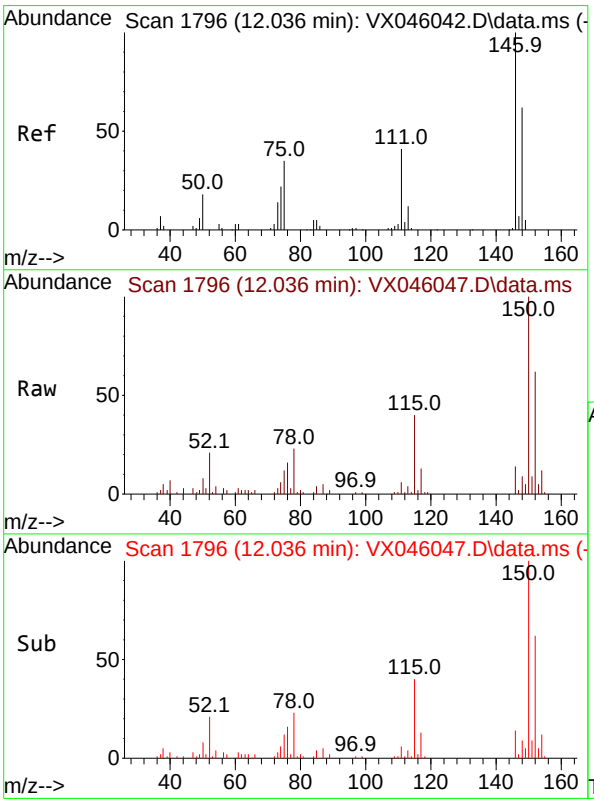
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	65.3	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

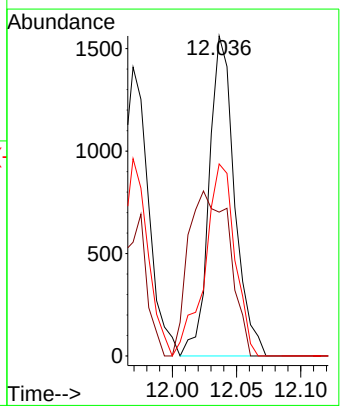
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

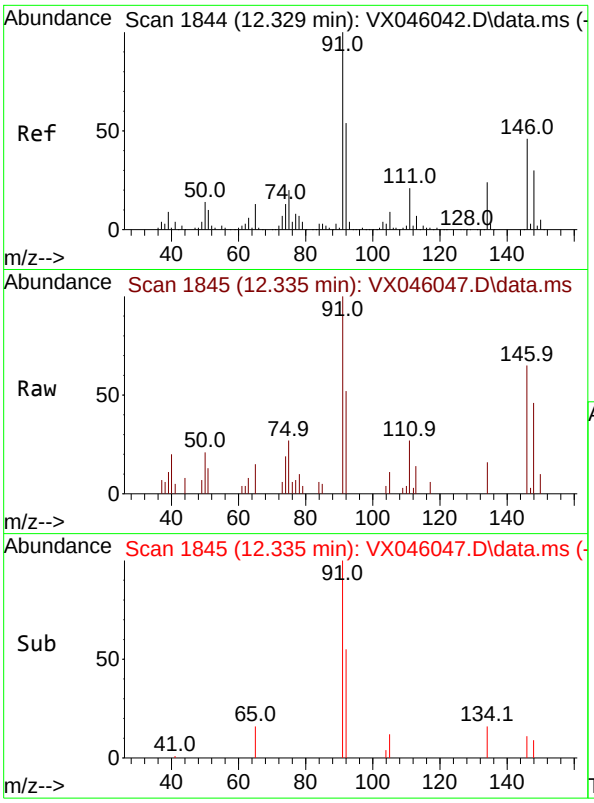


#88
1,4-Dichlorobenzene
Concen: 0.789 ug/l m
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

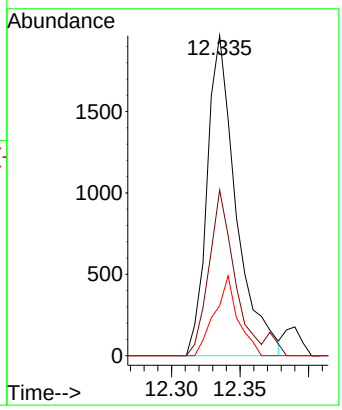




#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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
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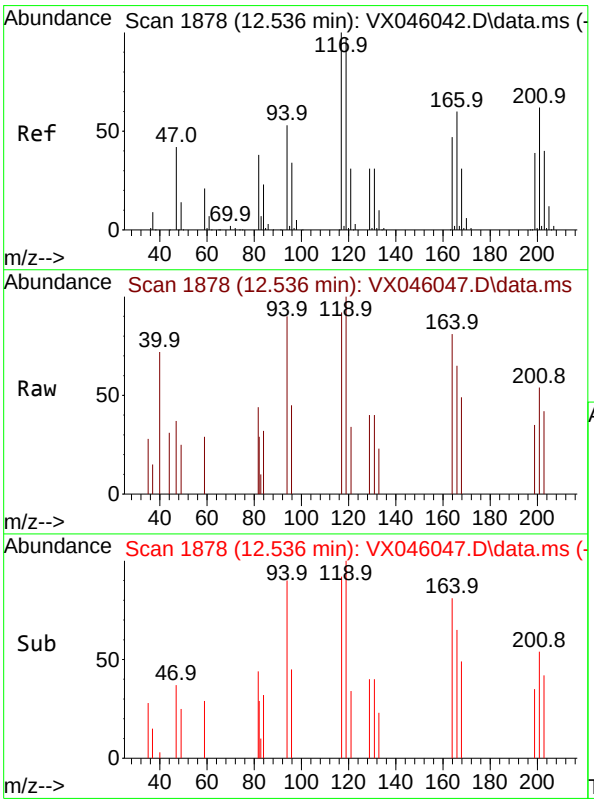
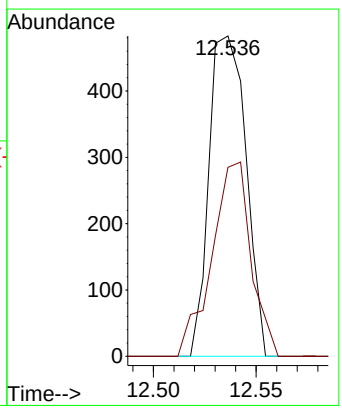
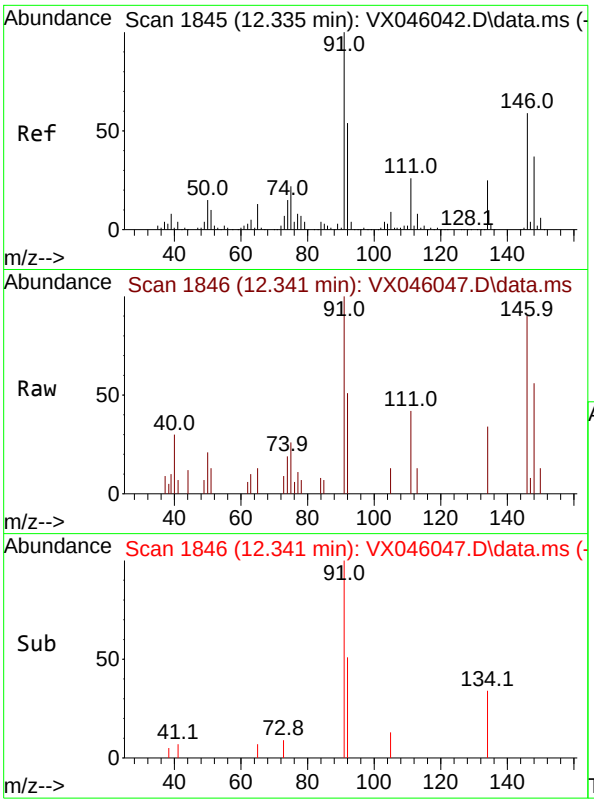


#90
Hexachloroethane
Concen: 0.616 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 604

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.6	94.7

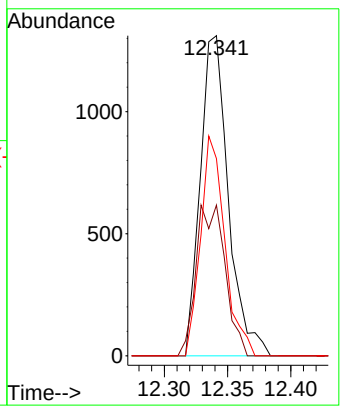




#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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
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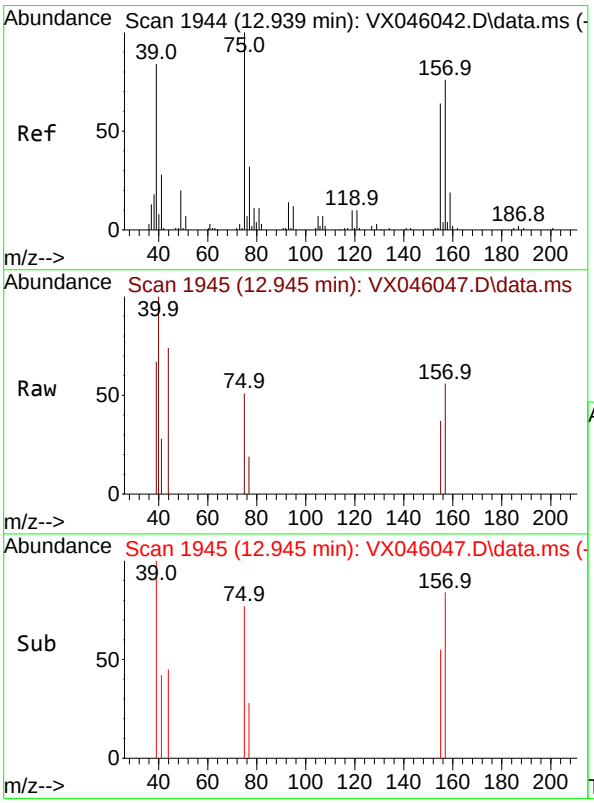
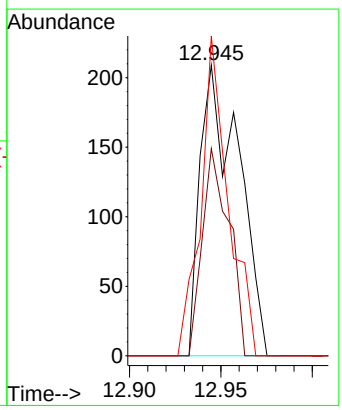
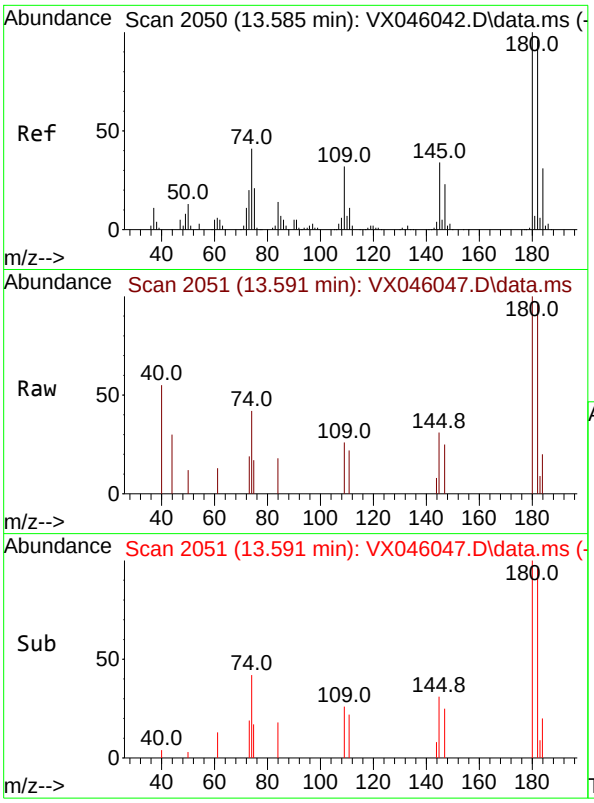


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

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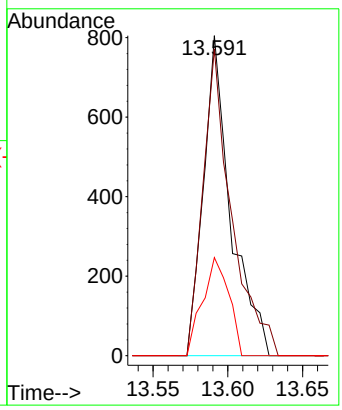
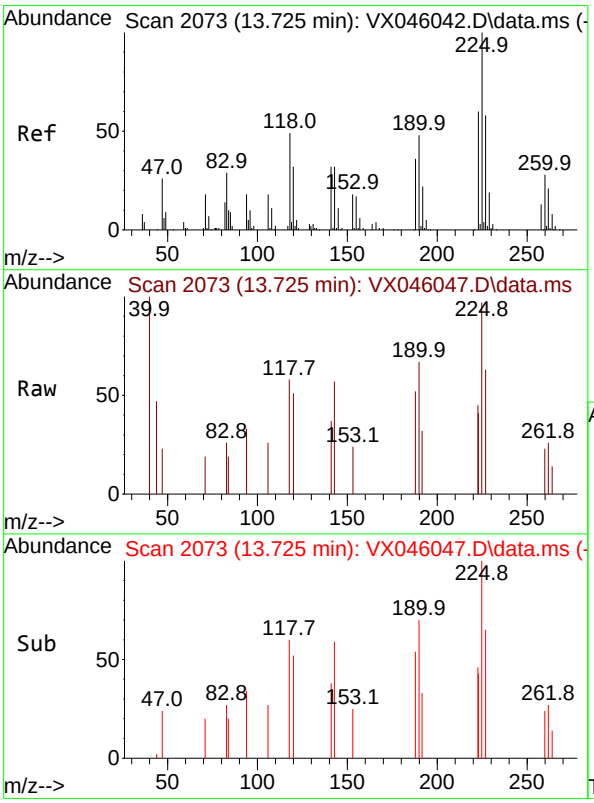
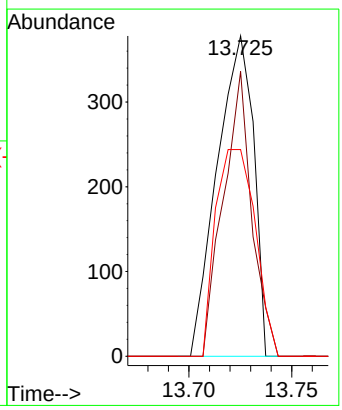


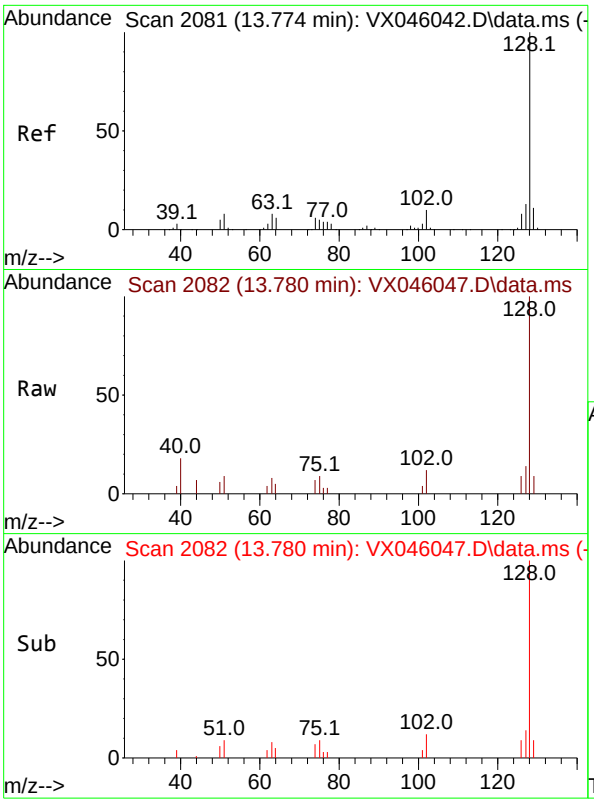


#94
Hexachlorobutadiene
Concen: 0.671 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

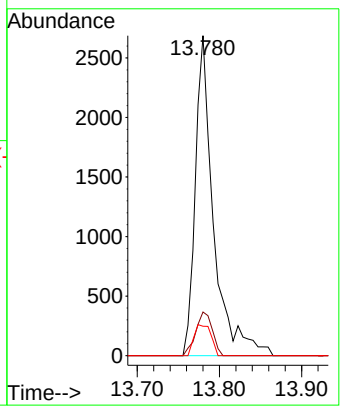




#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:128 Resp: 413

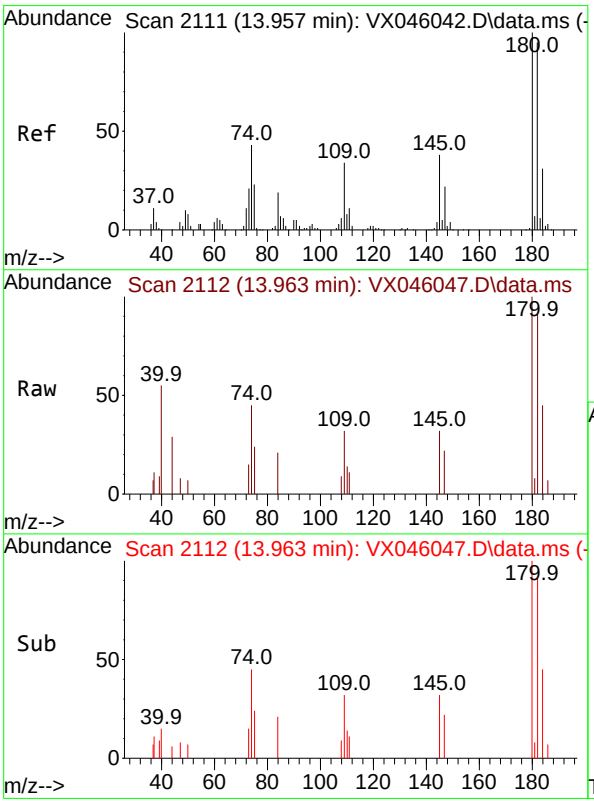
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	8.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

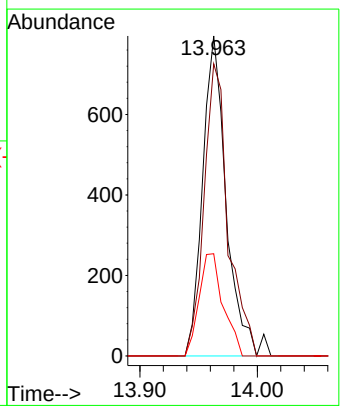
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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)

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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

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

ICAL Form

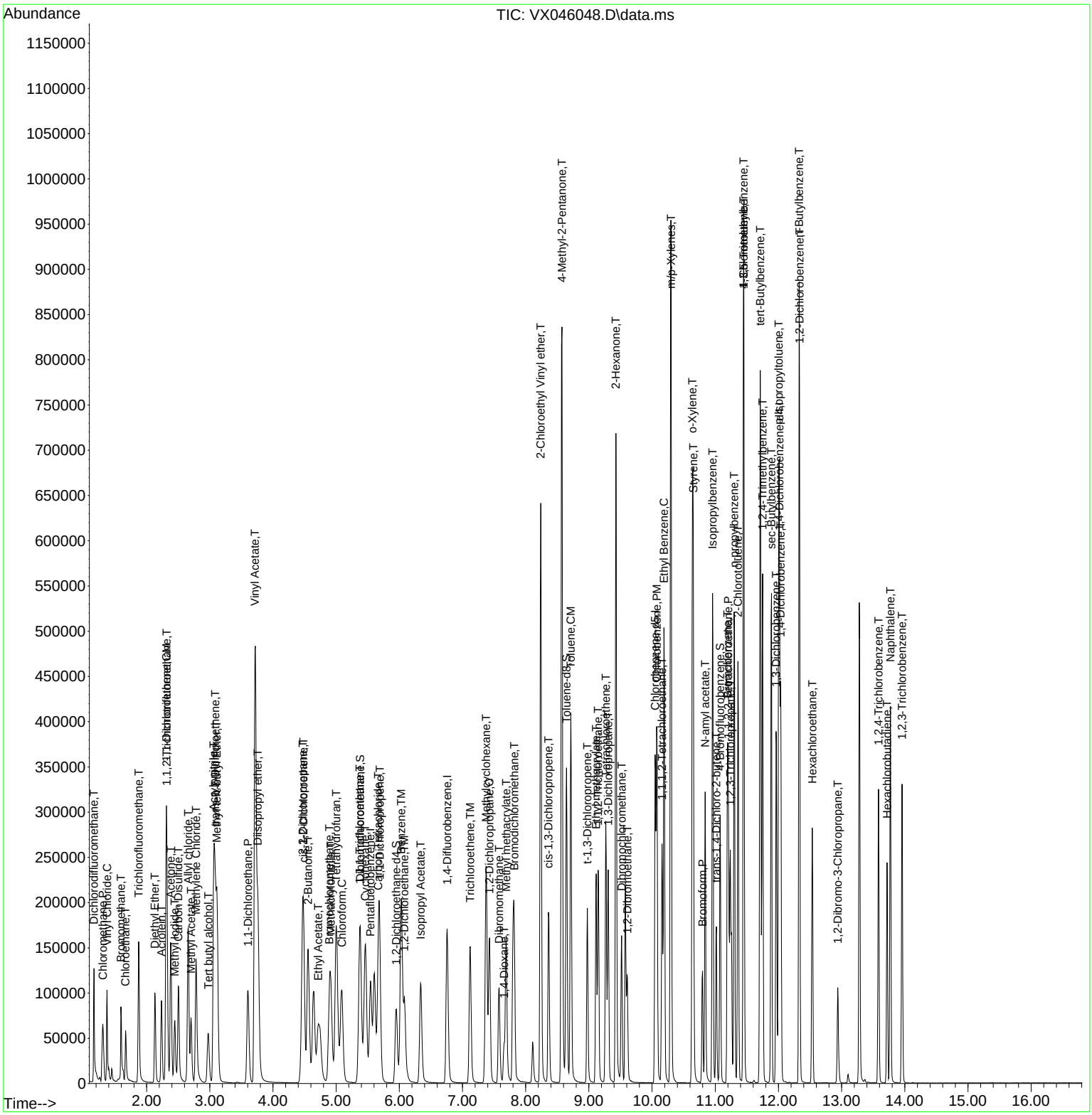
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

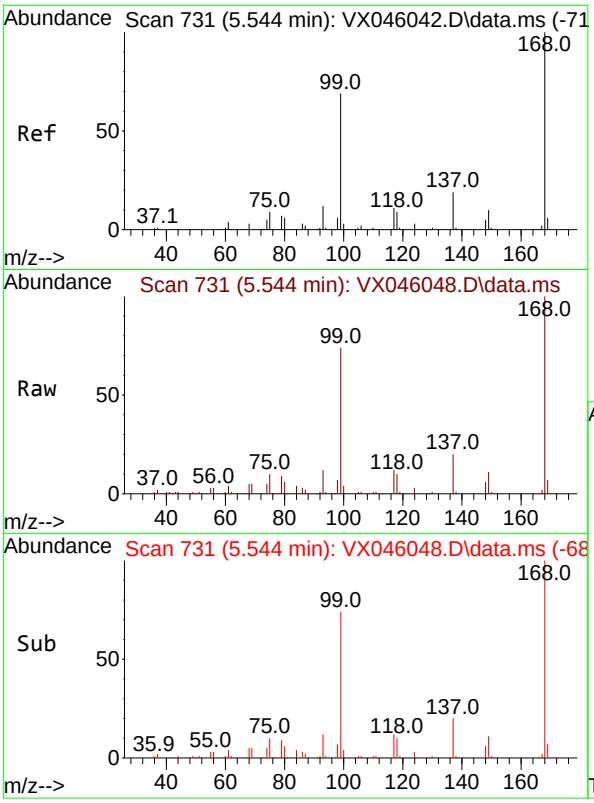
Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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

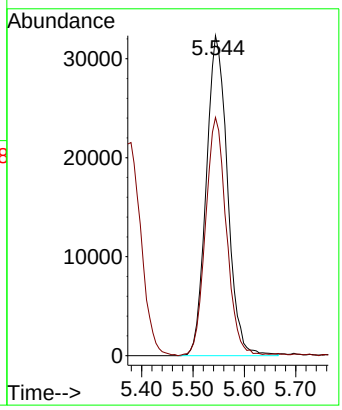




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:168 Resp: 9258

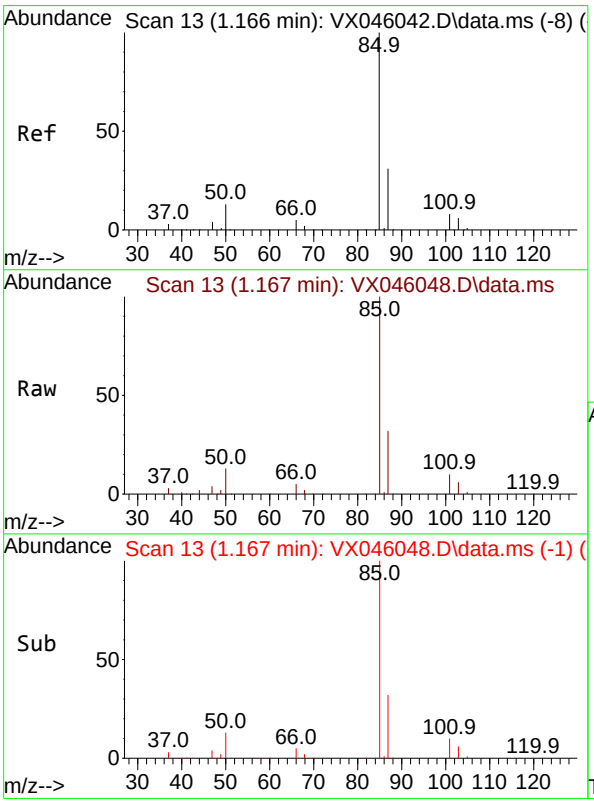
Ion	Ratio	Lower	Upper
168	100		
99	74.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

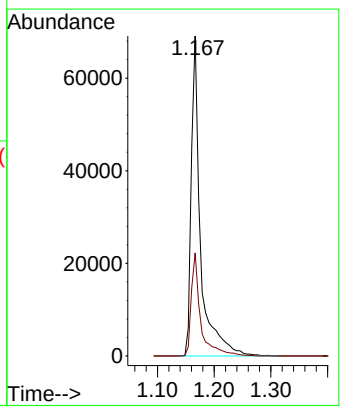
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

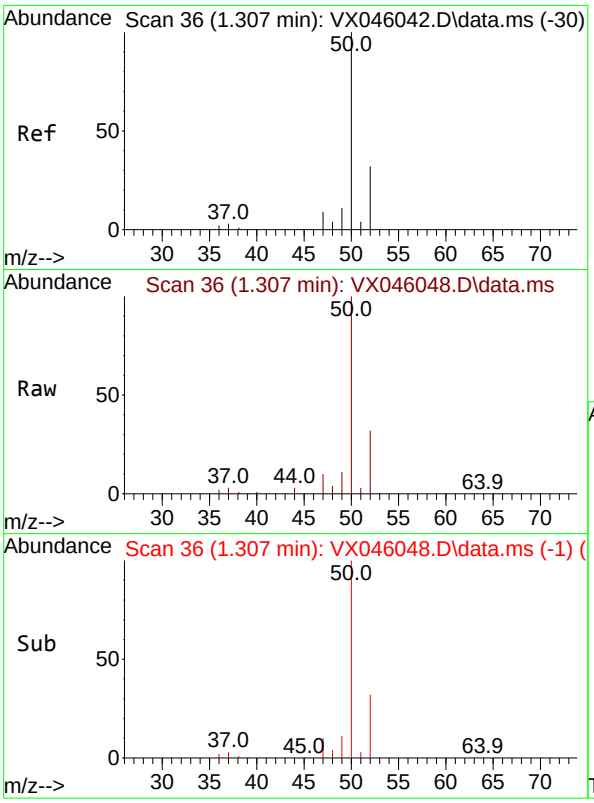


#2
Dichlorodifluoromethane
Concen: 55.594 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 85 Resp: 78783

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1

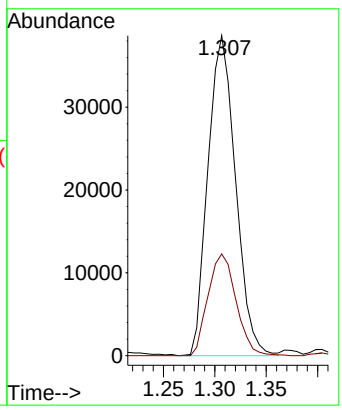




#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 50 Resp: 7227

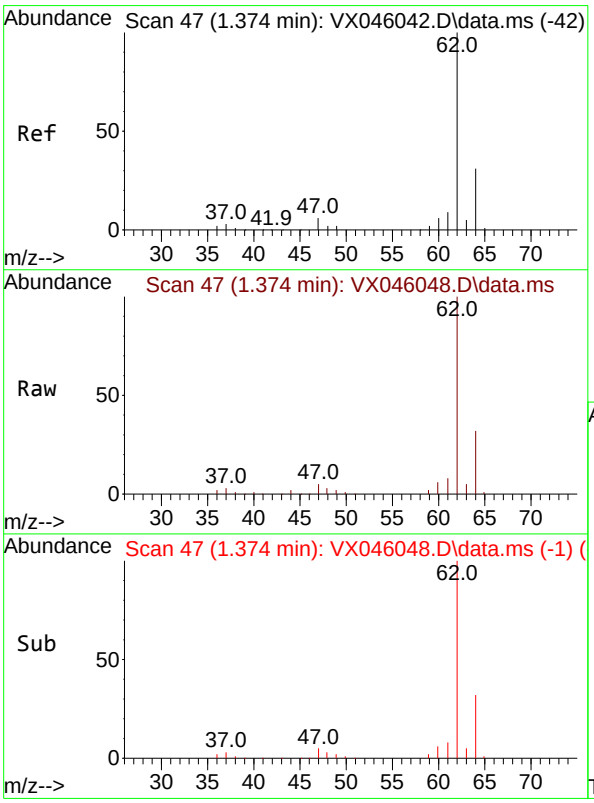
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

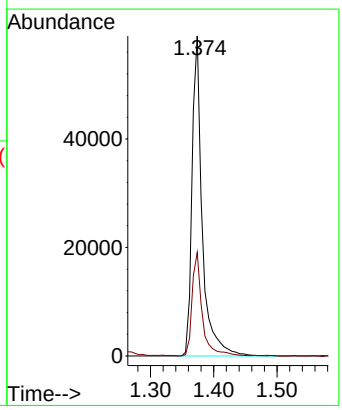
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

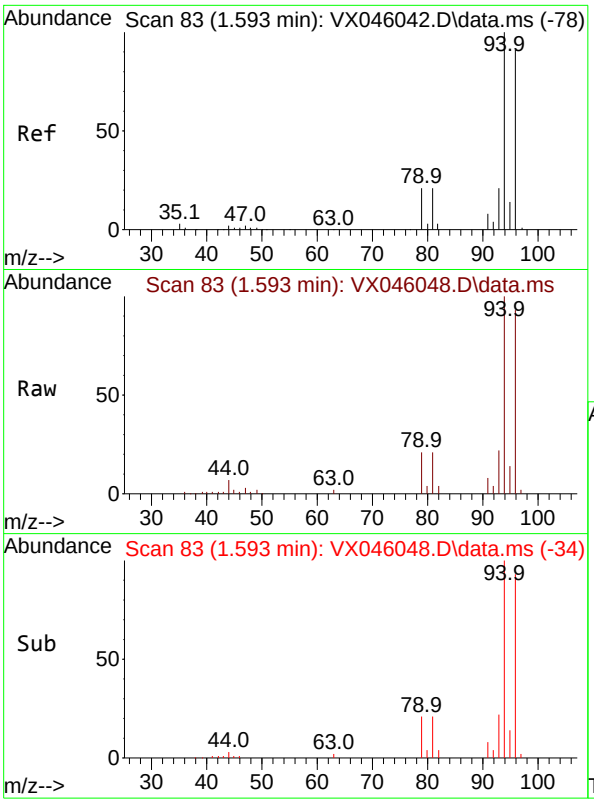


#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

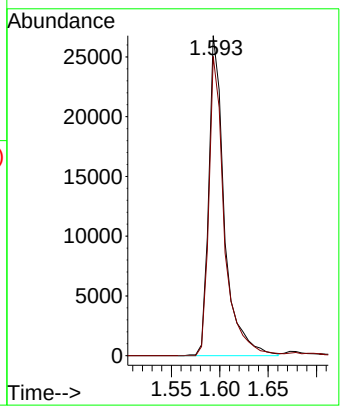
Tgt Ion: 94 Resp: 3003

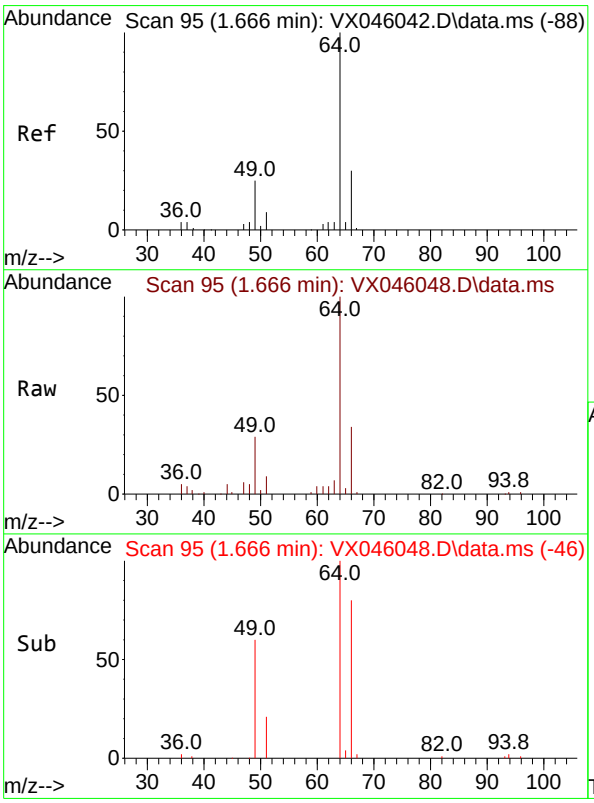
Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

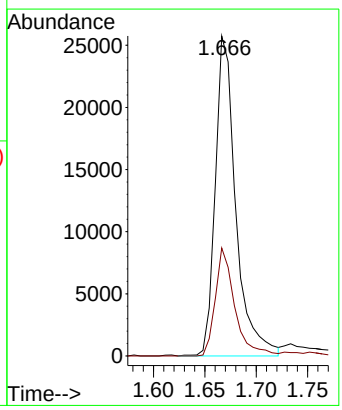


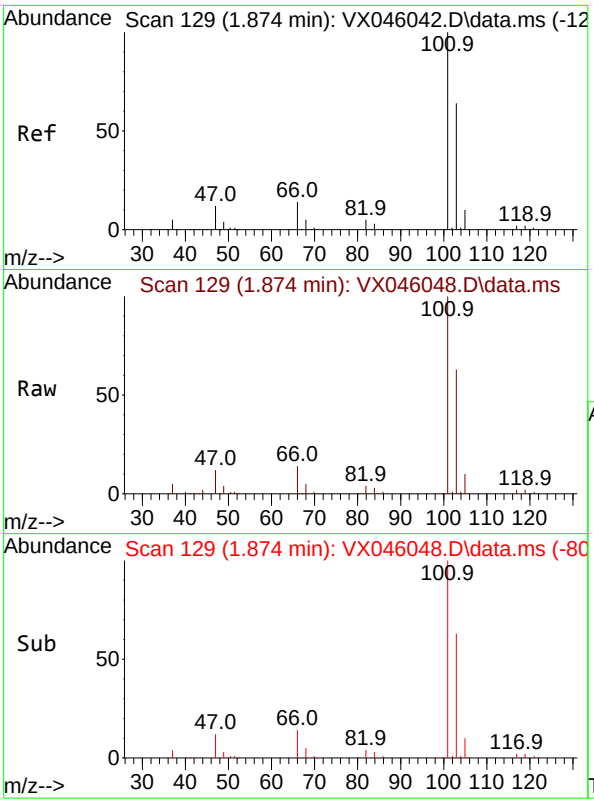


#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 64 Resp: 35690

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5

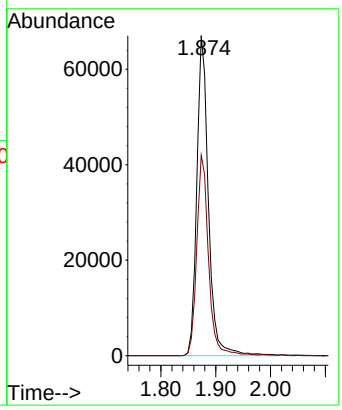




#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:101 Resp: 9935

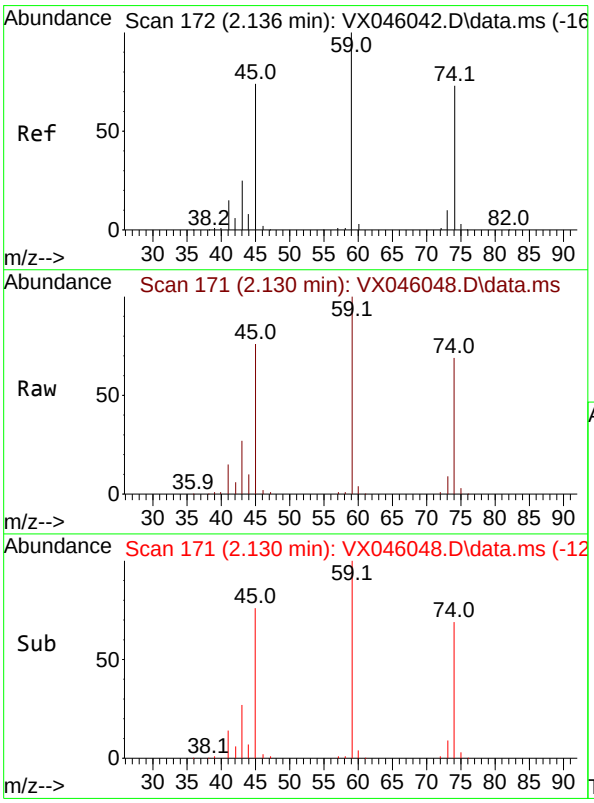
Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

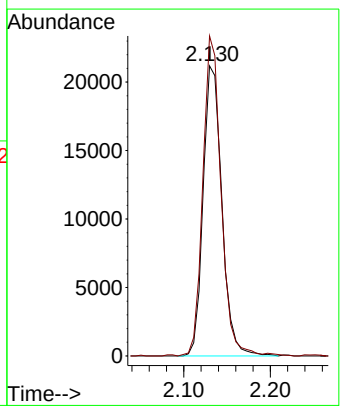
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

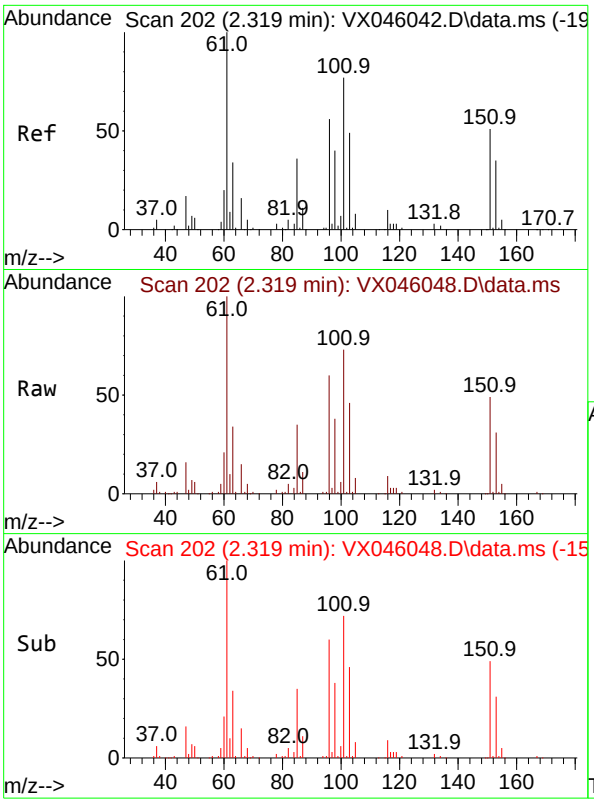


#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

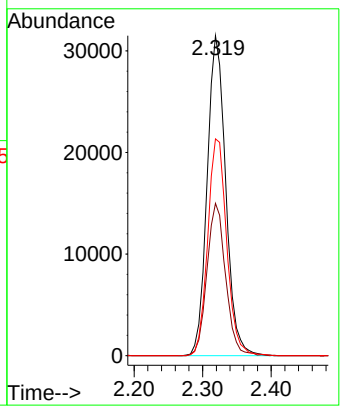
Tgt Ion:101 Resp: 5945

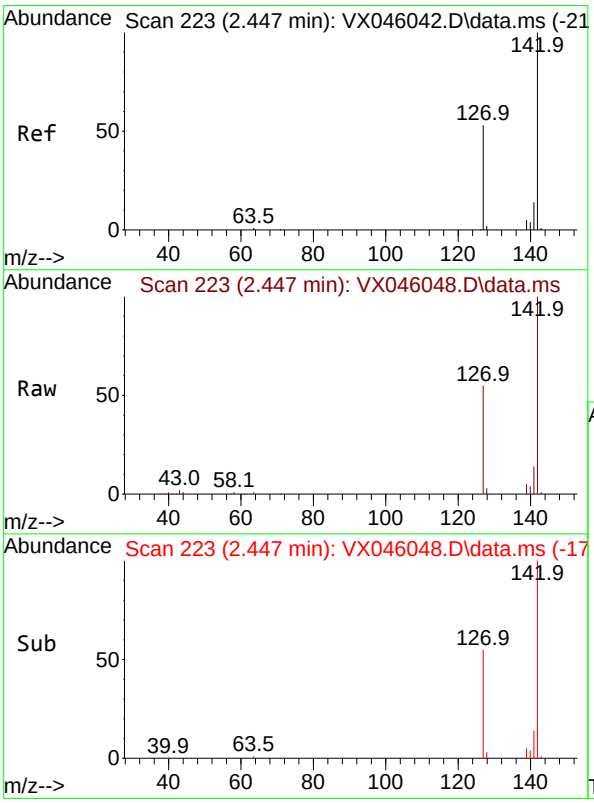
Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.6	58.0
151	69.4	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

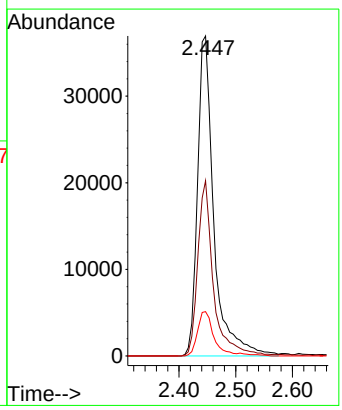


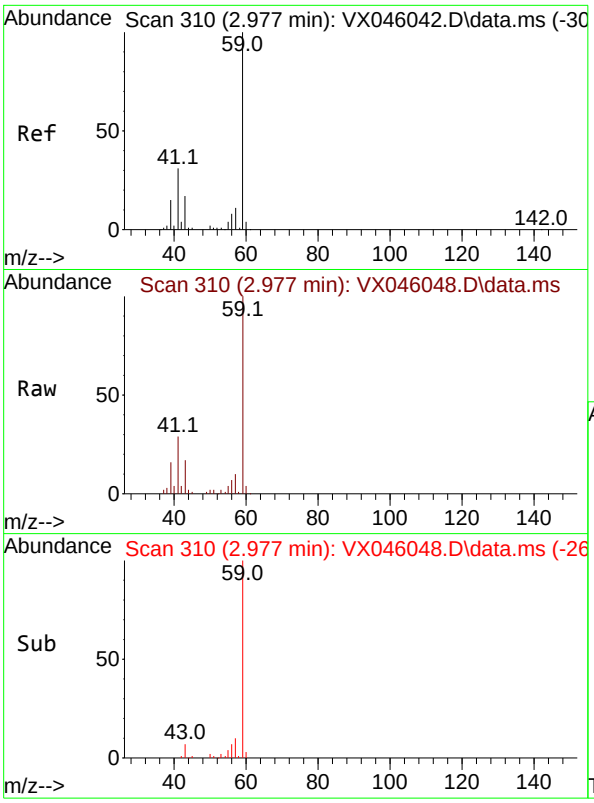


#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

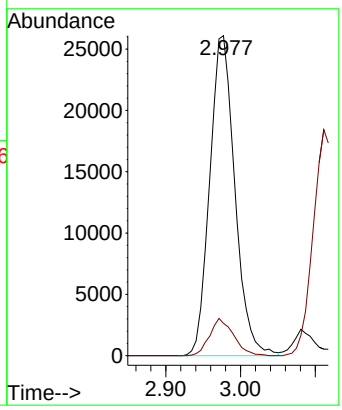
Tgt Ion: 59 Resp: 6106

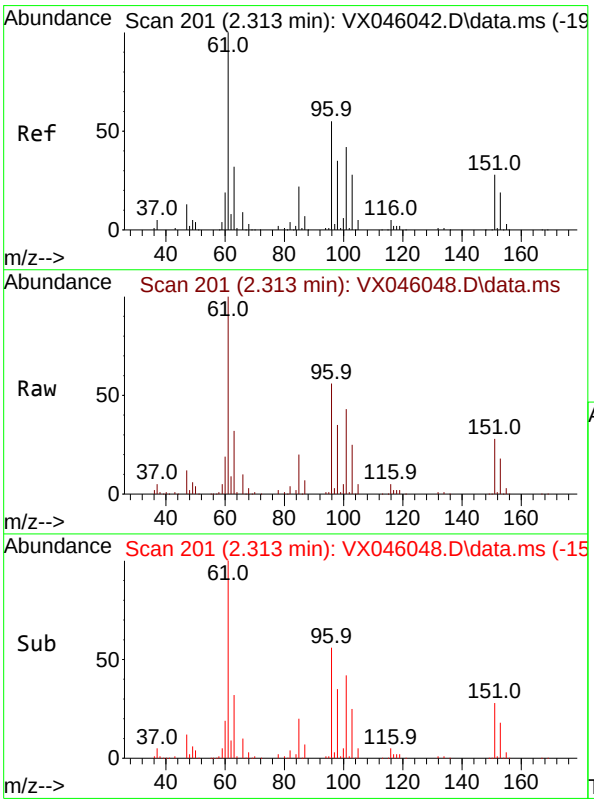
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

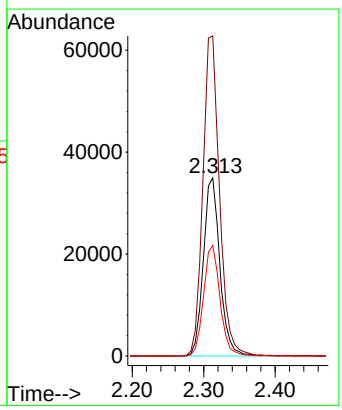


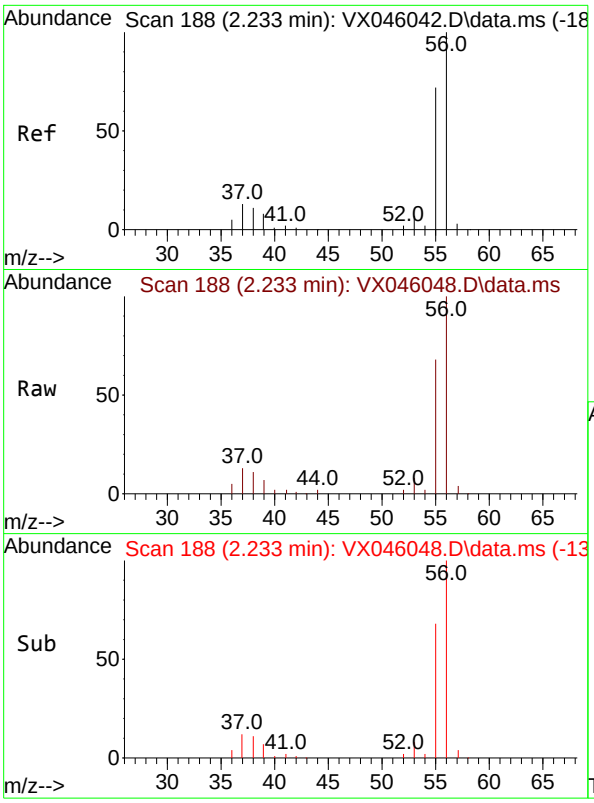


#12
1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

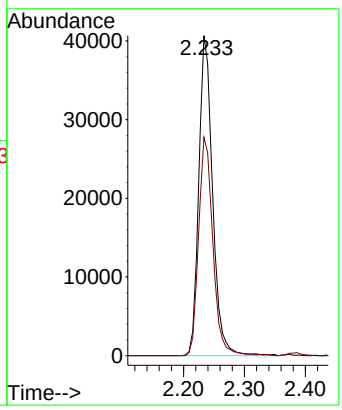




#13
Acrolein
Concen: 232.505 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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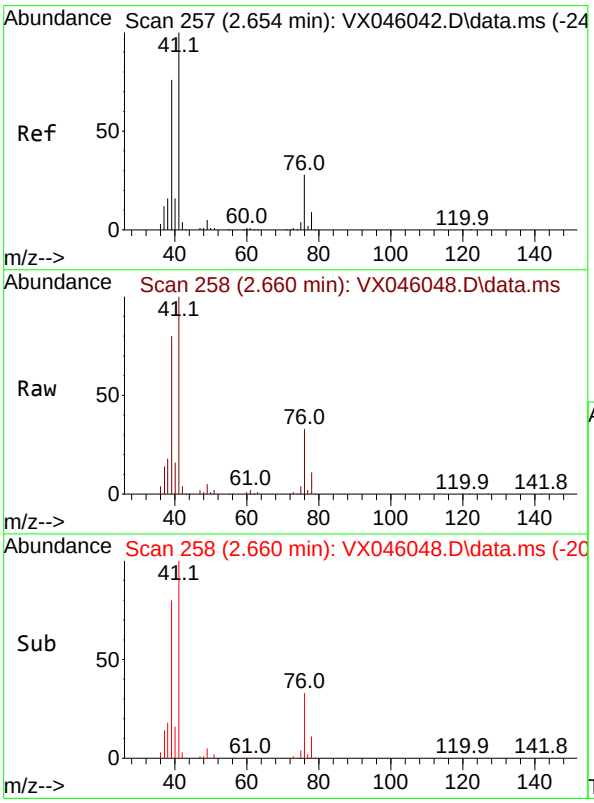
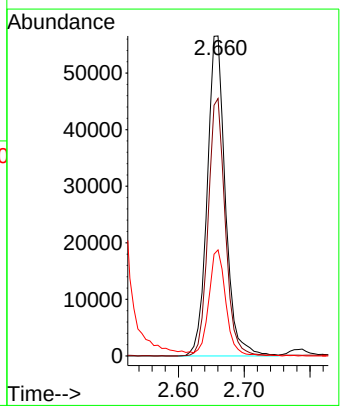
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

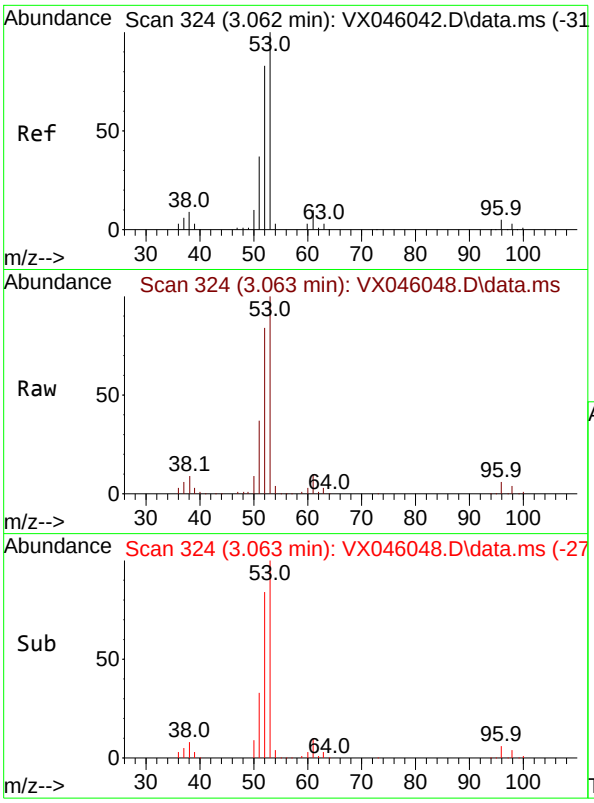


#14
Allyl chloride
Concen: 51.833 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

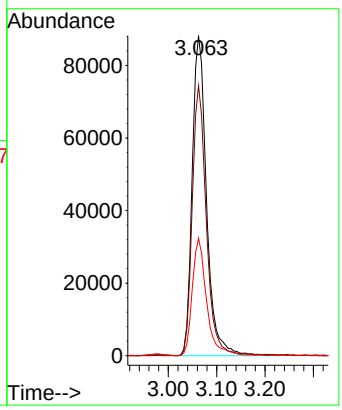




#15
Acrylonitrile
Concen: 262.412 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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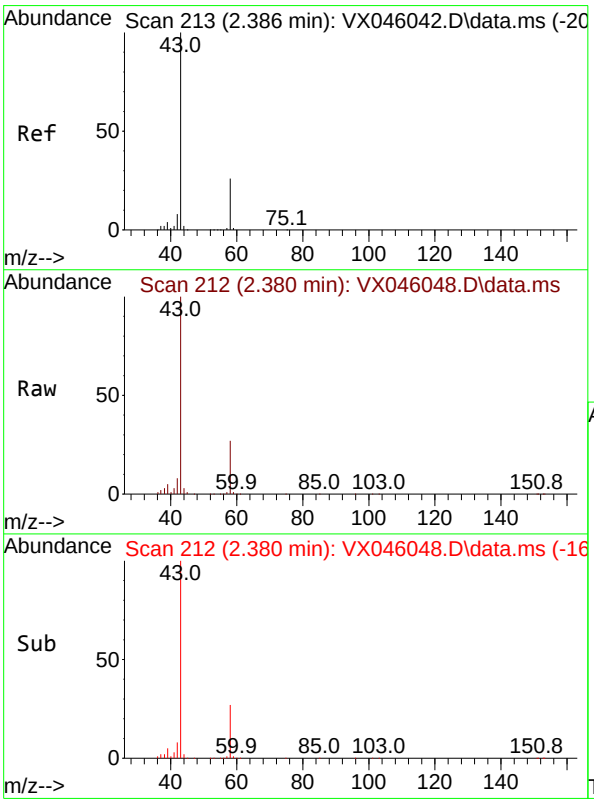
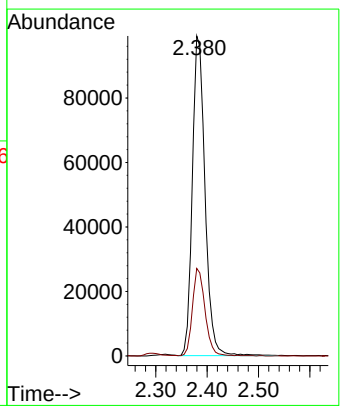
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

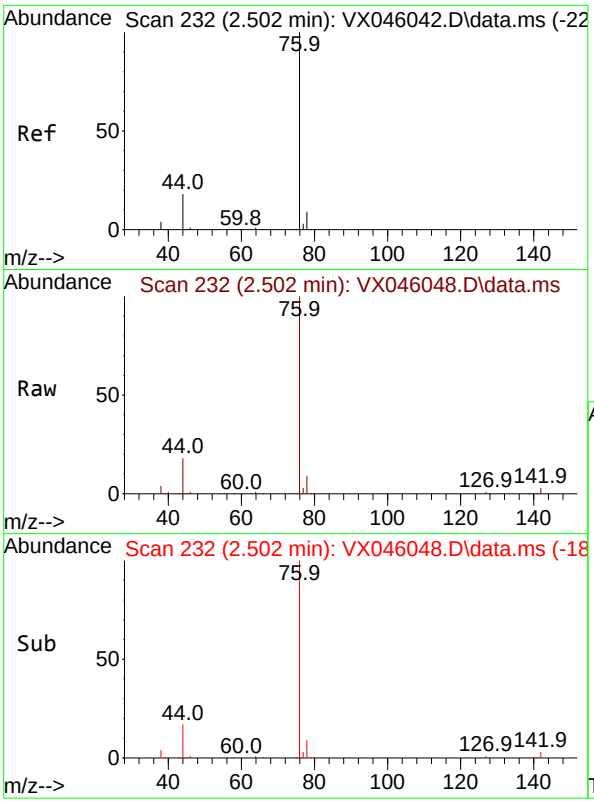


#16
Acetone
Concen: 245.518 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 169923

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8

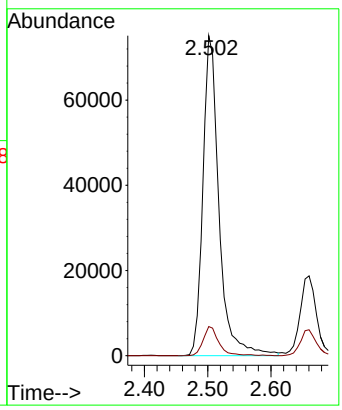




#17
Carbon Disulfide
Concen: 50.981 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 76 Resp: 13269

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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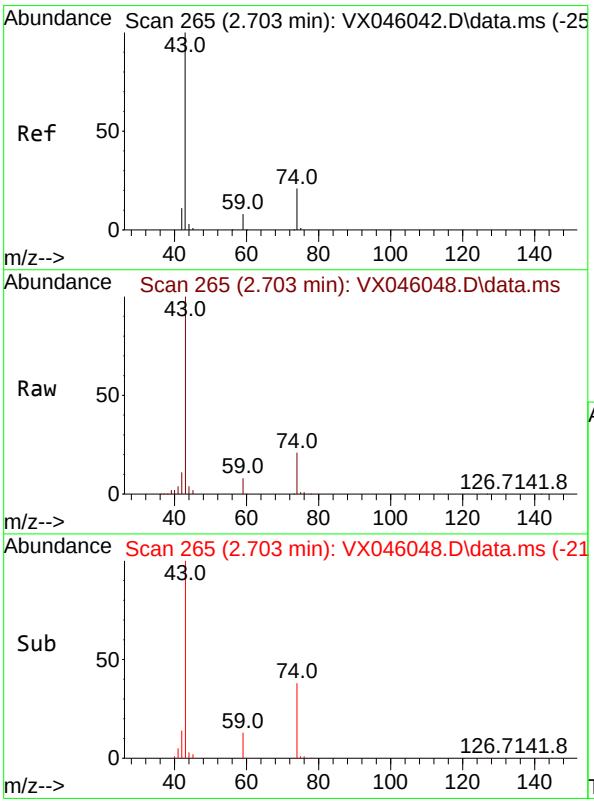
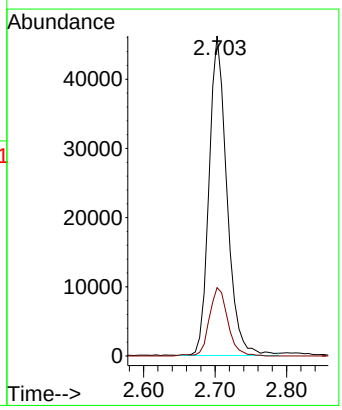
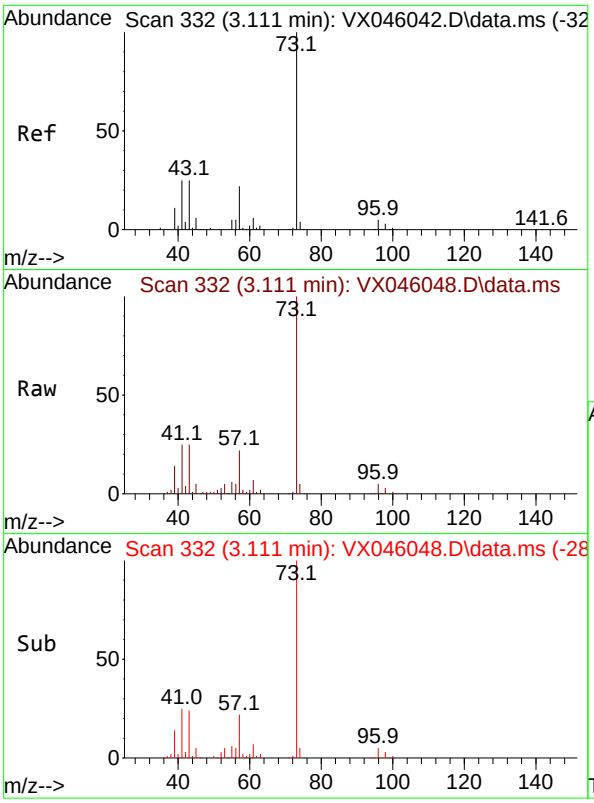


#18
Methyl Acetate
Concen: 49.968 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 80251

Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.7	25.1

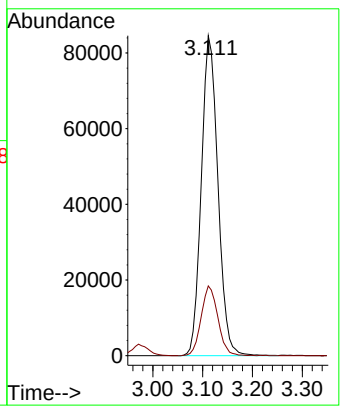




#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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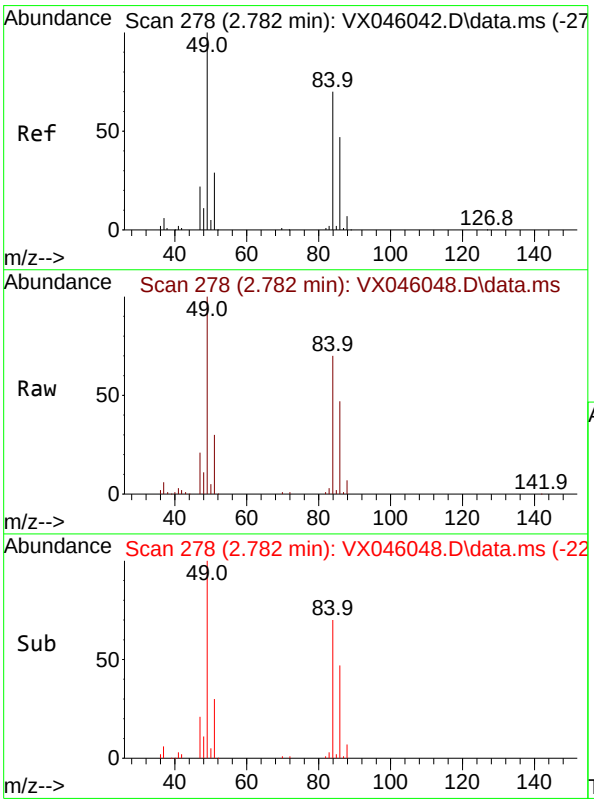
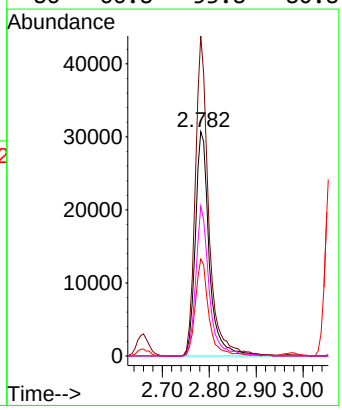
Supervised By :Mahesh Dadoda 05/06/2025

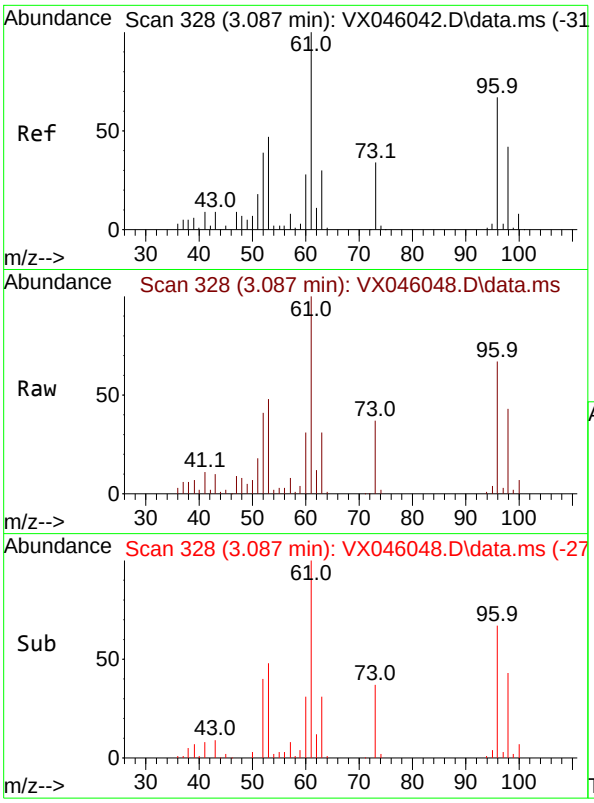


#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

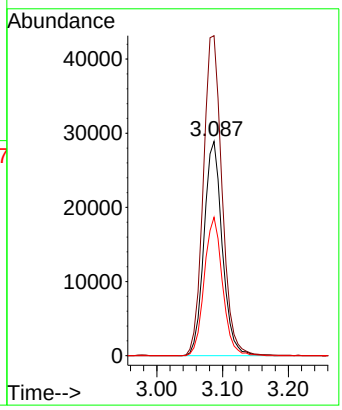




#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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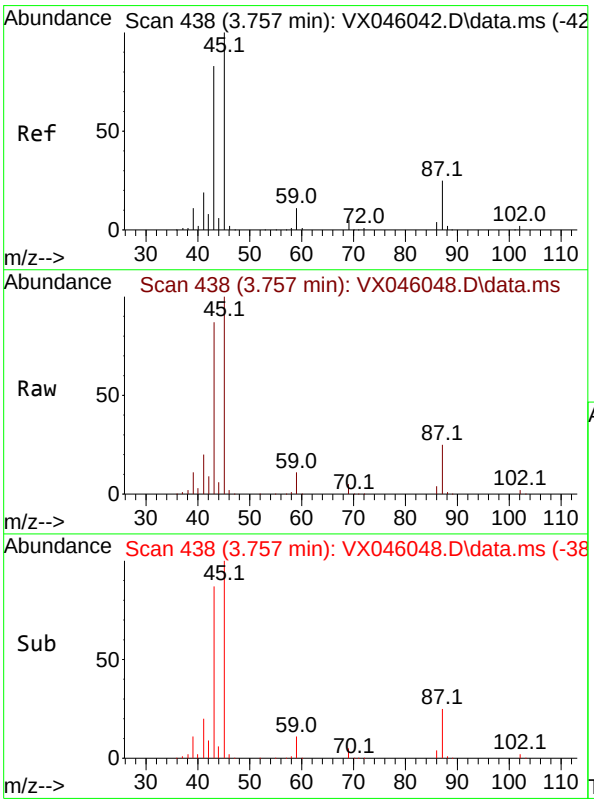
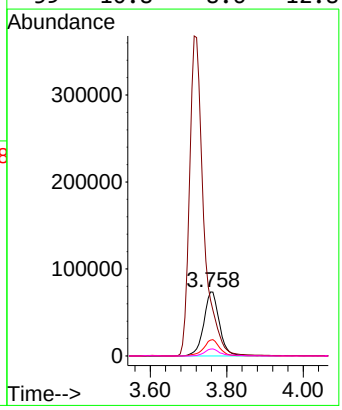
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

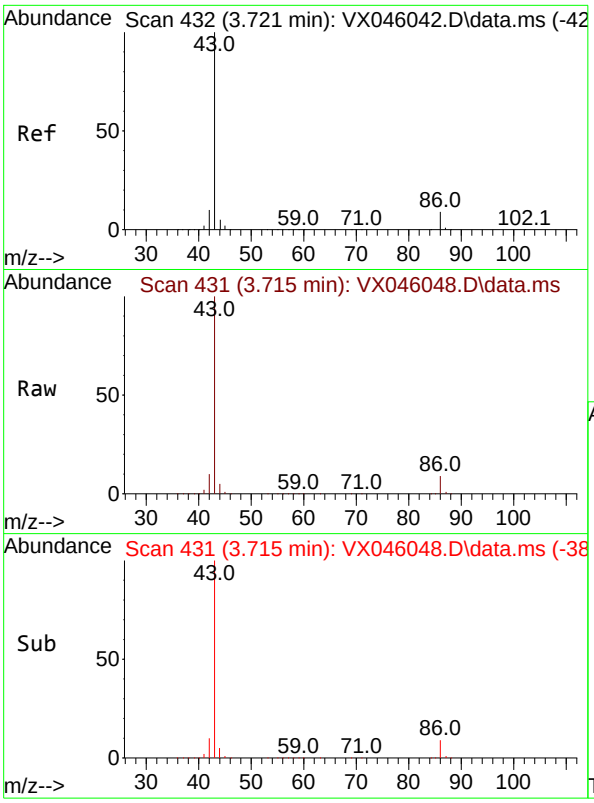


#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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: 9467

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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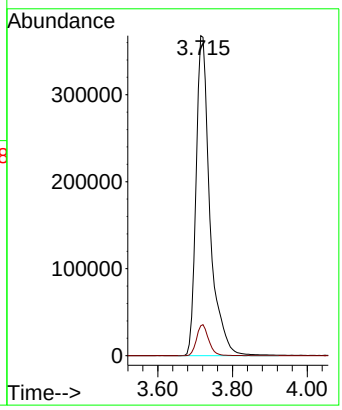
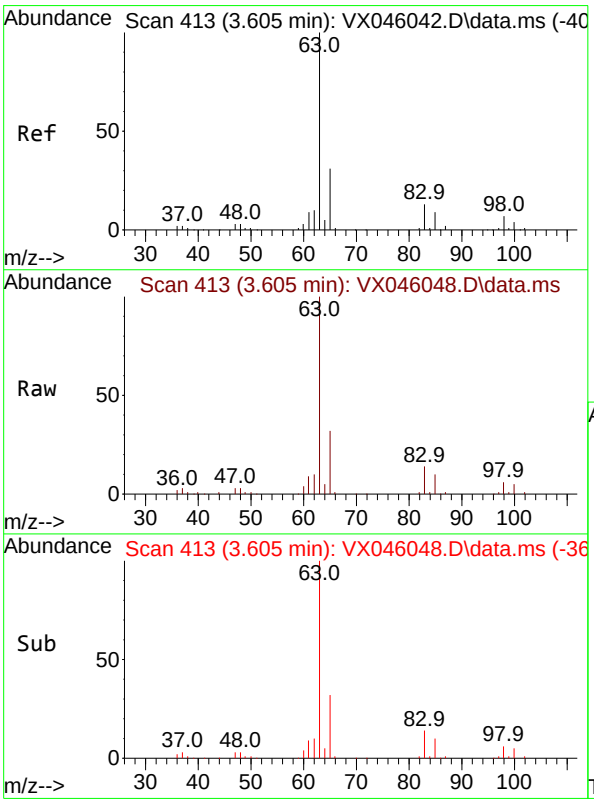
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

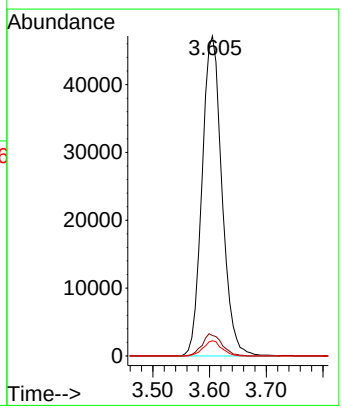


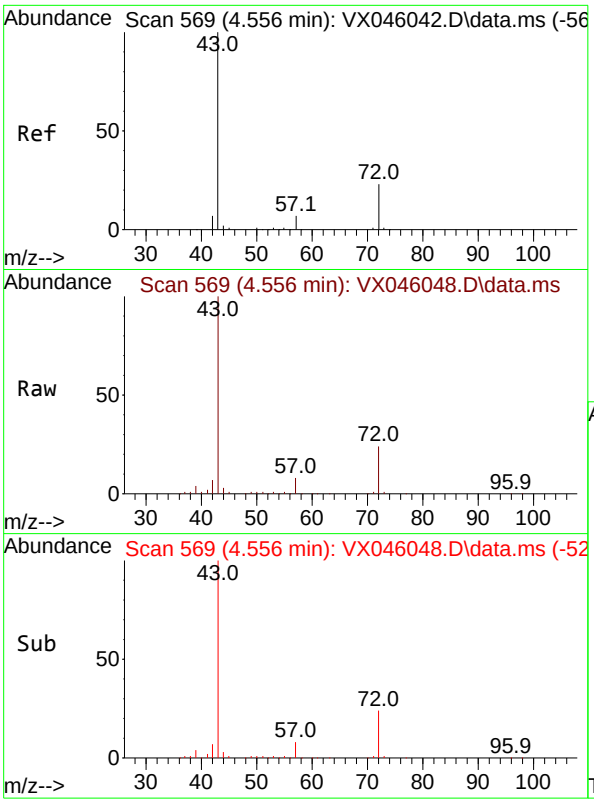


#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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Reviewed By :John Carlone 05/06/2025
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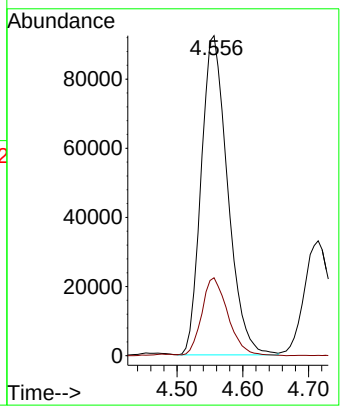
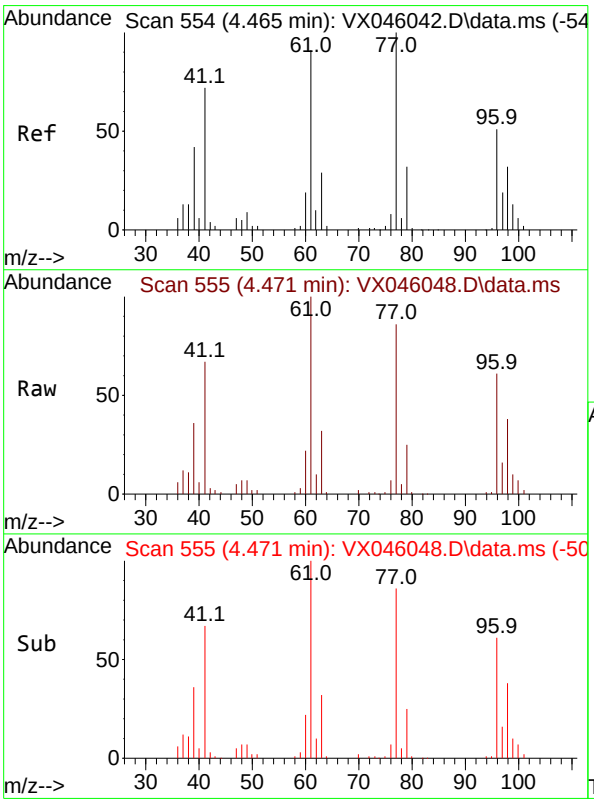
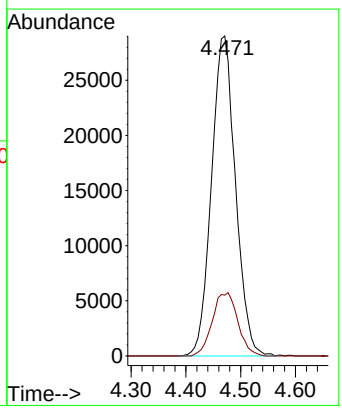


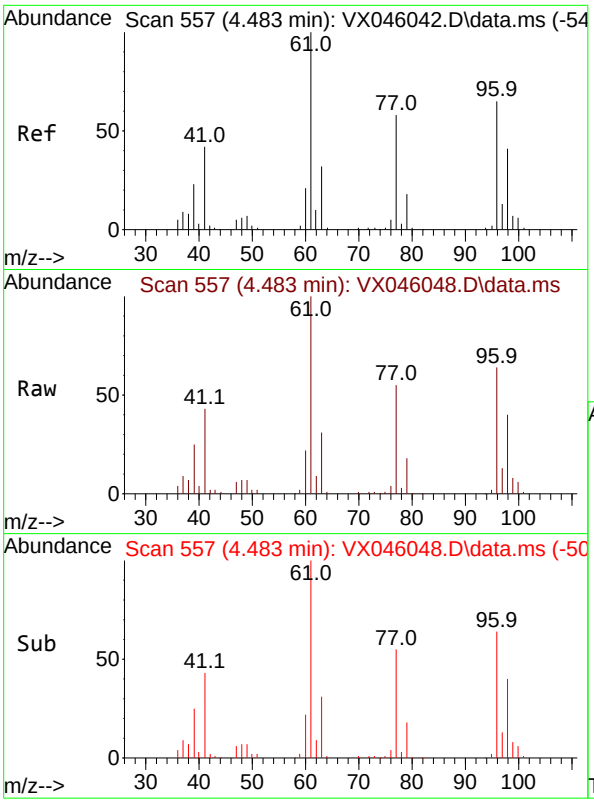


#26
2,2-Dichloropropane
Concen: 49.934 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

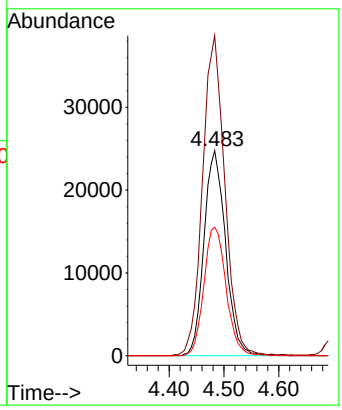
Tgt Ion: 96 Resp: 6772

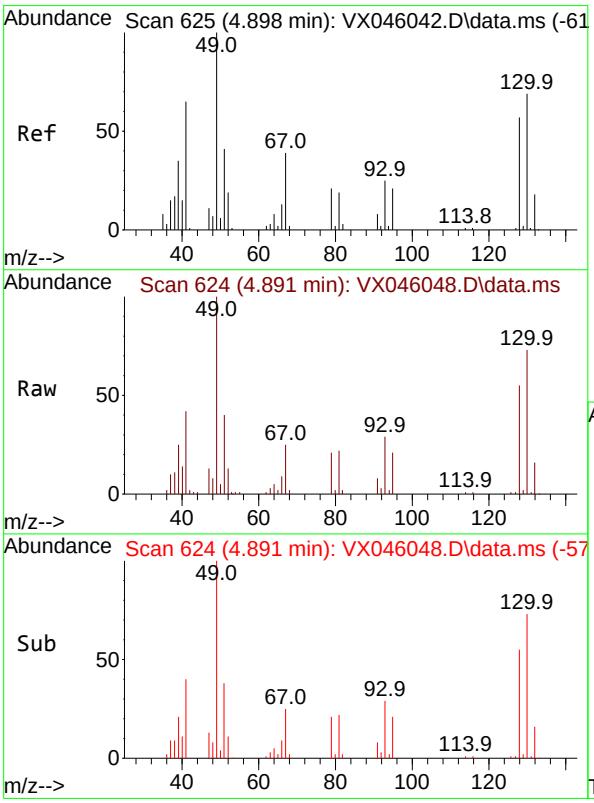
Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	322.8
98	64.4	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

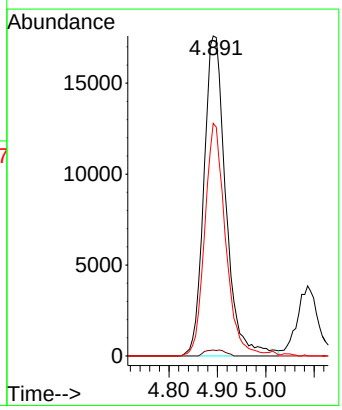


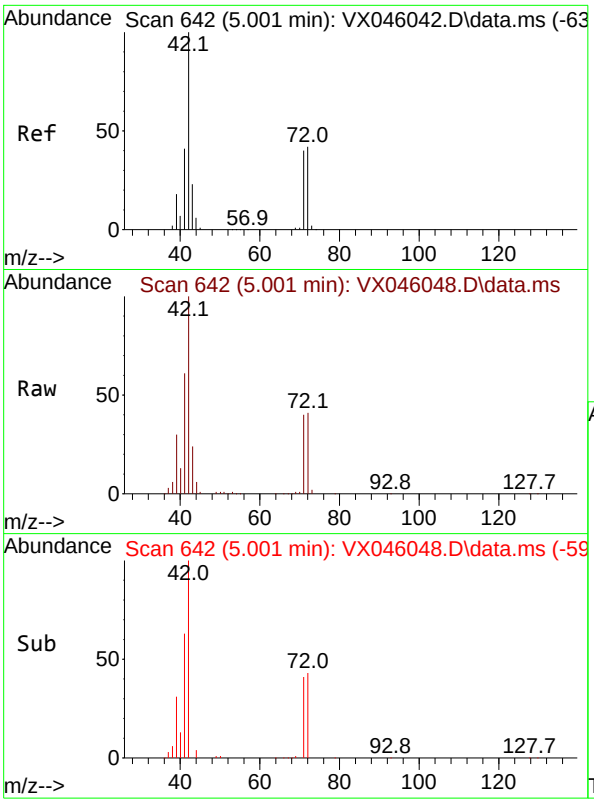


#28
Bromochloromethane
Concen: 50.975 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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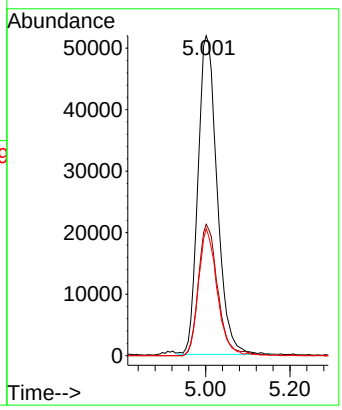
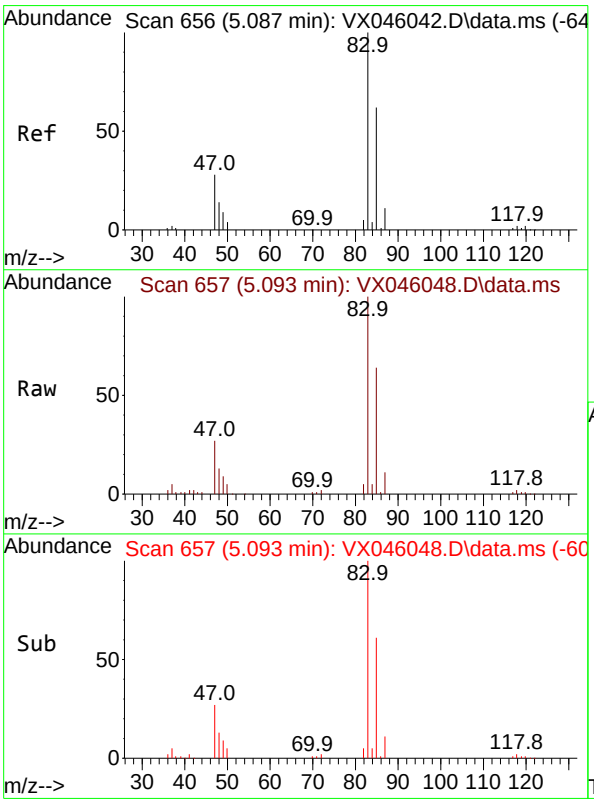
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

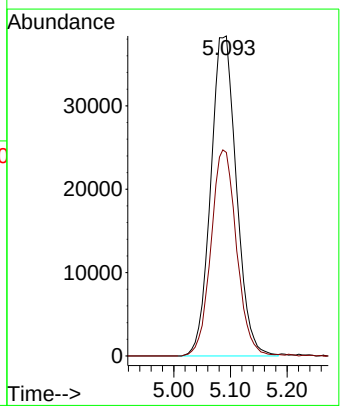


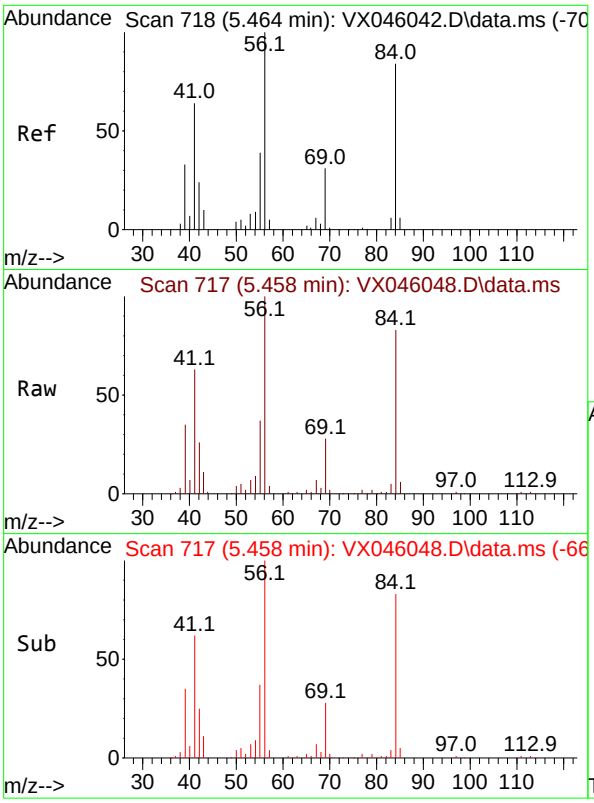


#30
Chloroform
Concen: 51.332 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.3	73.9

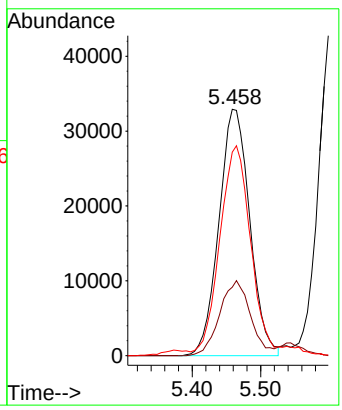




#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

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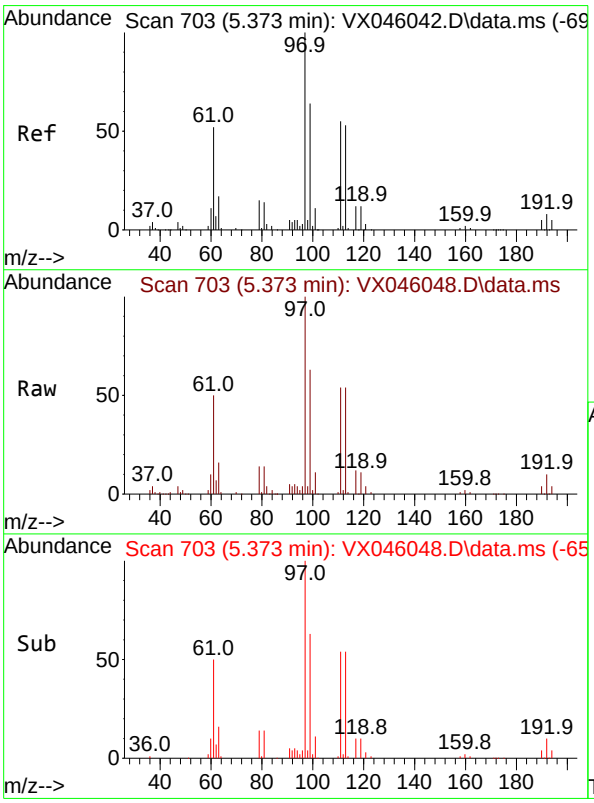
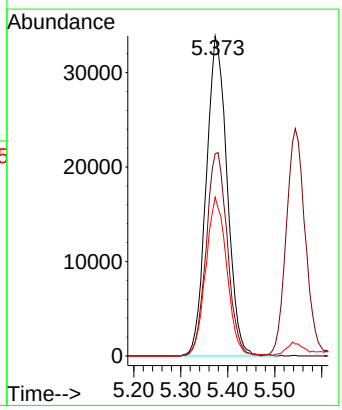
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

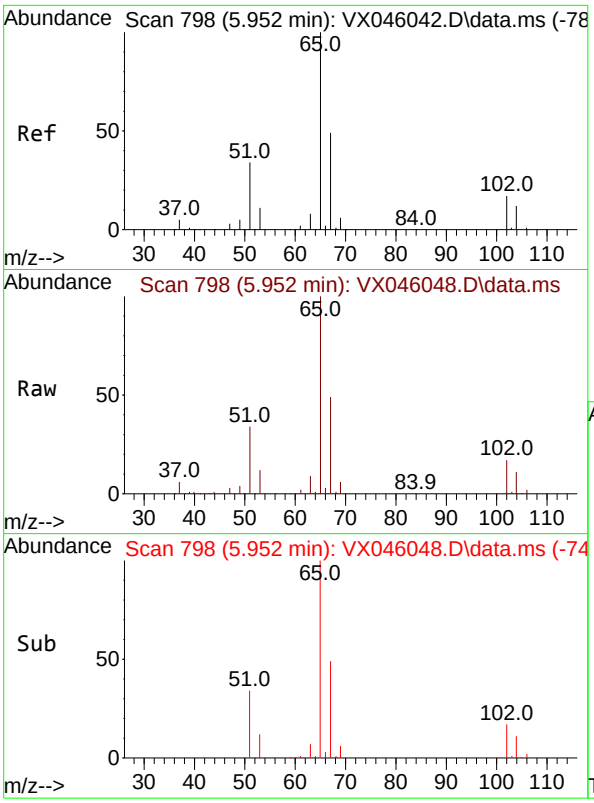


#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

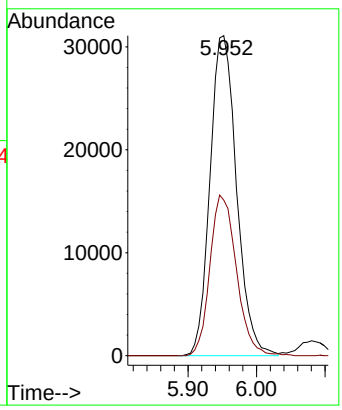




#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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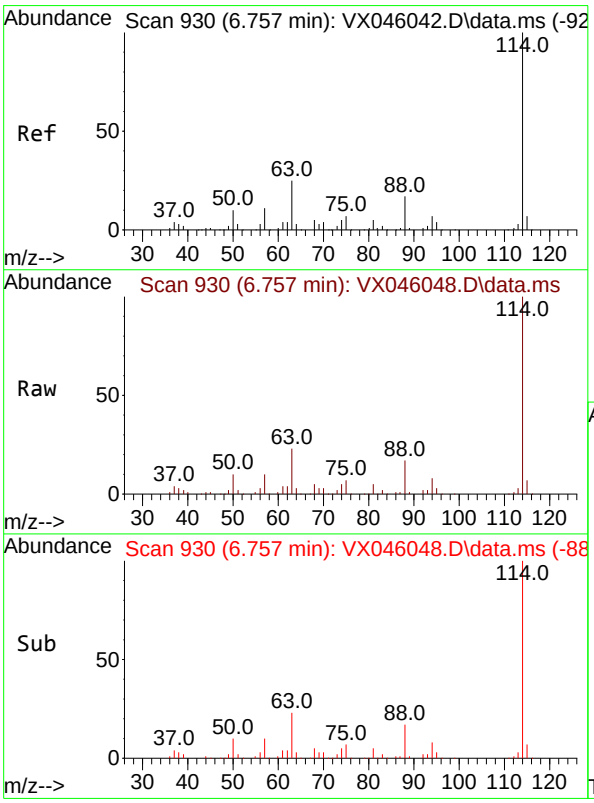
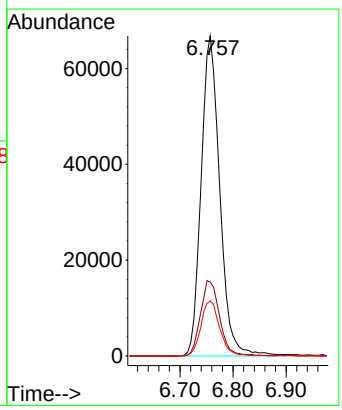
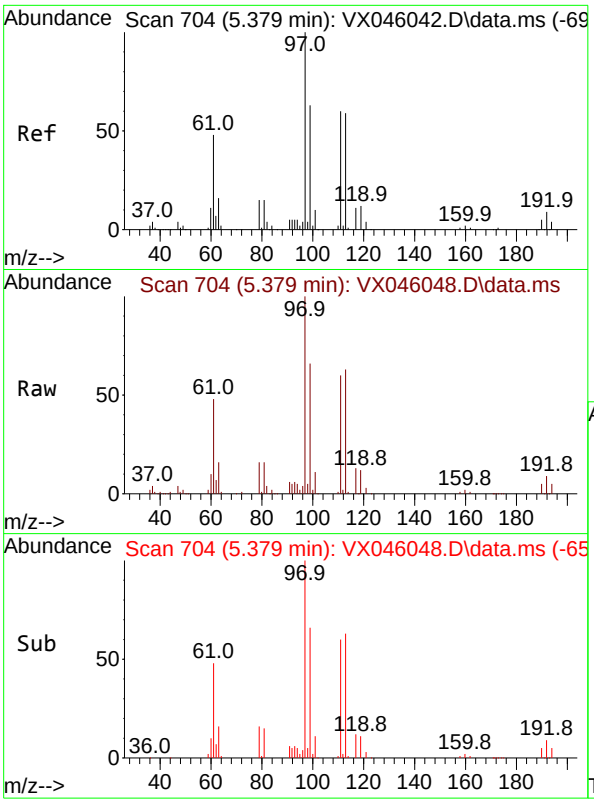


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

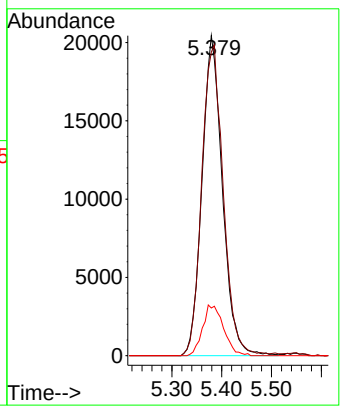




#35
Dibromofluoromethane
Concen: 49.683 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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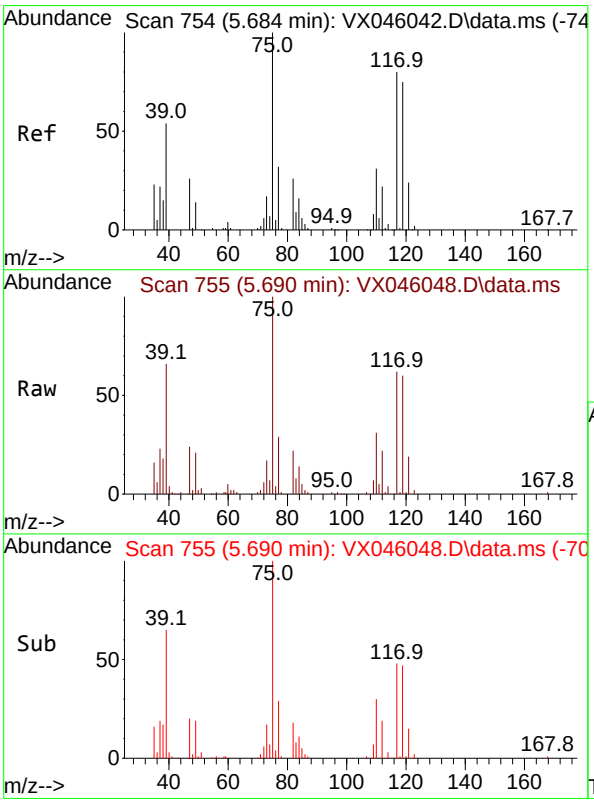
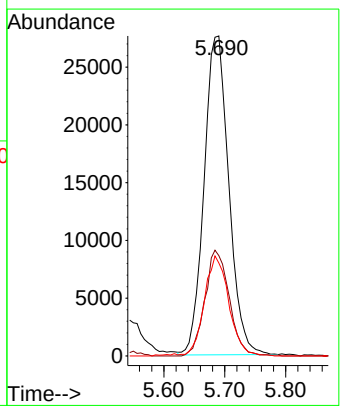
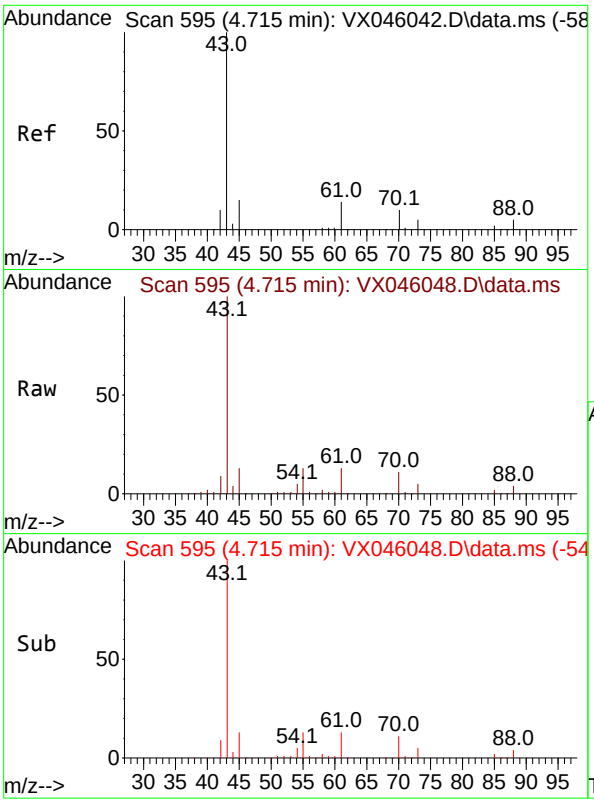


#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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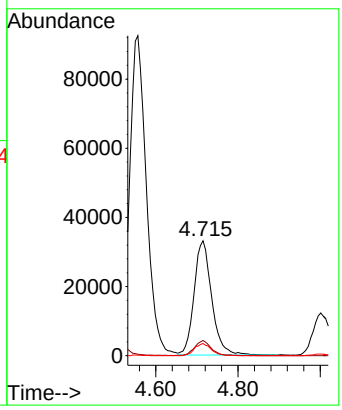
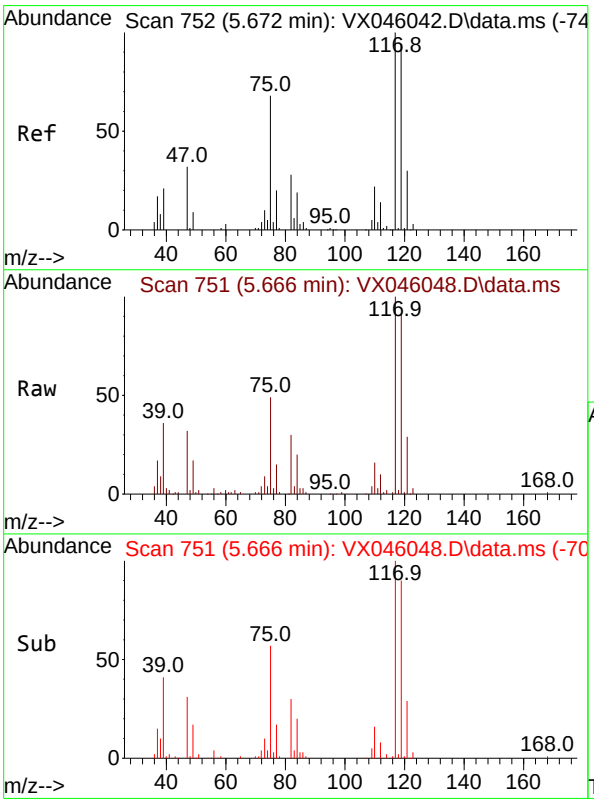
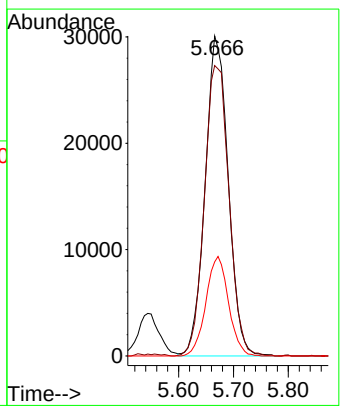


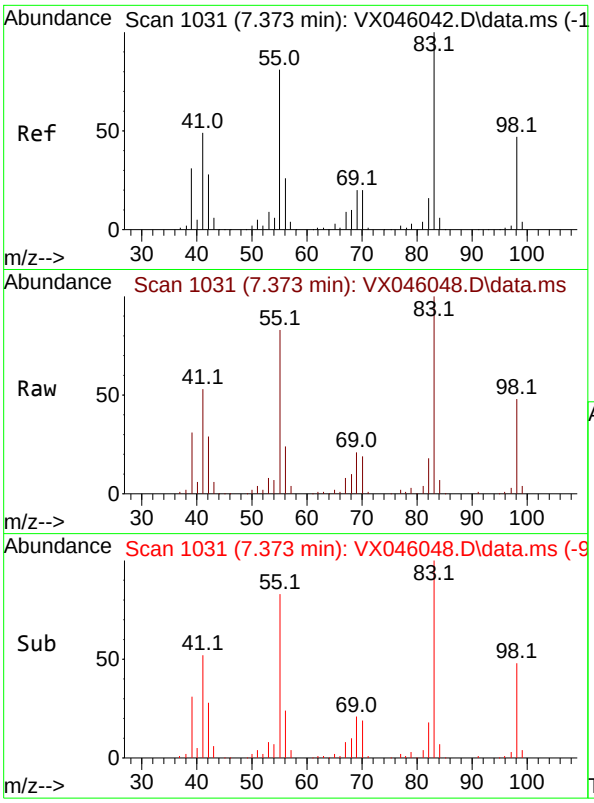


#38
Carbon Tetrachloride
Concen: 49.825 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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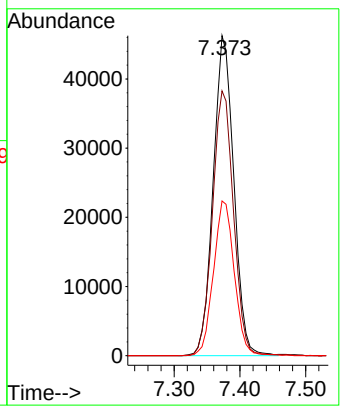
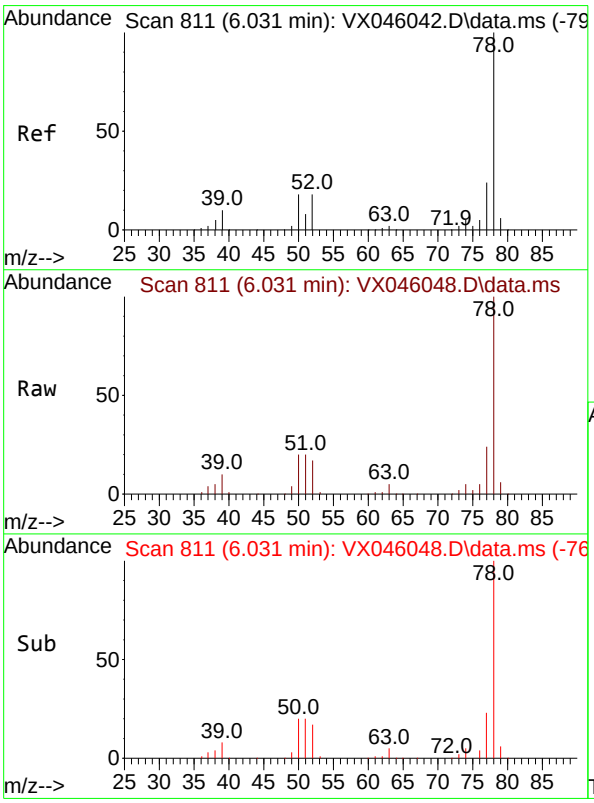
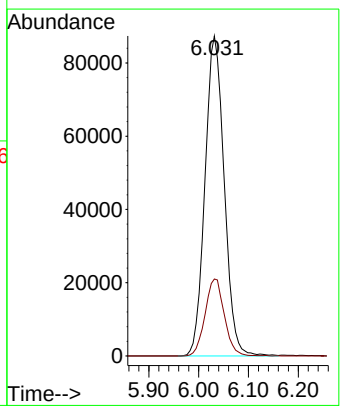


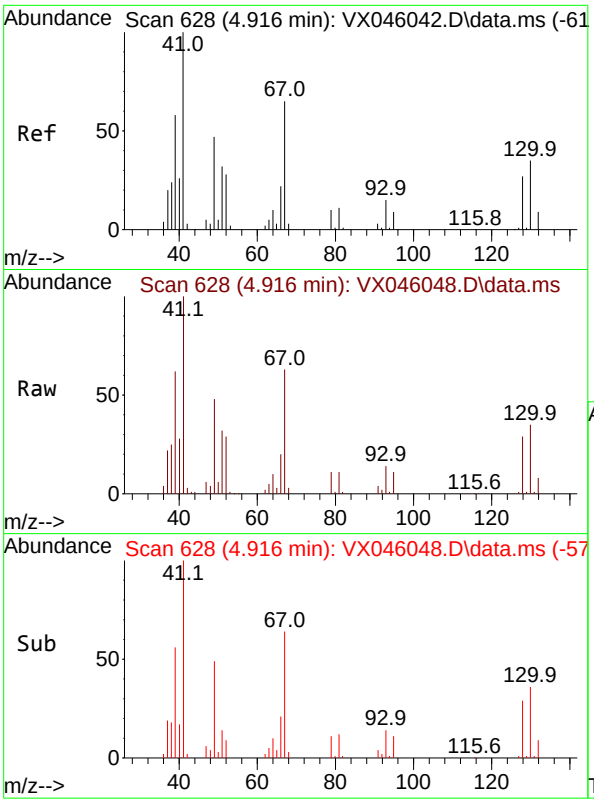


#40
Benzene
Concen: 50.759 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 78 Resp: 233977

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

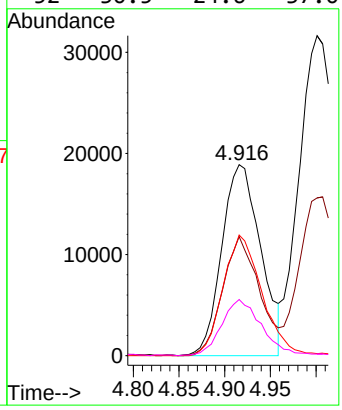




#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

Manual Integrations
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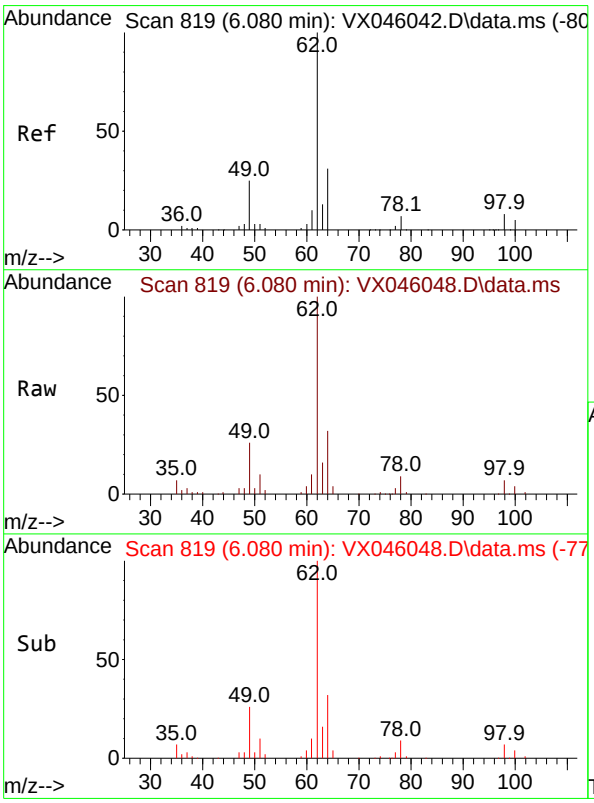
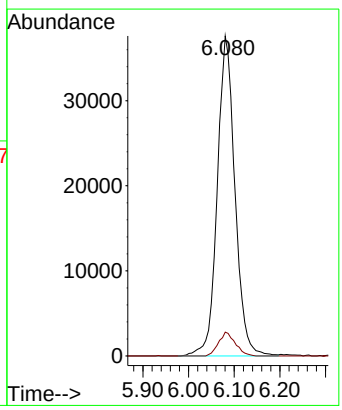
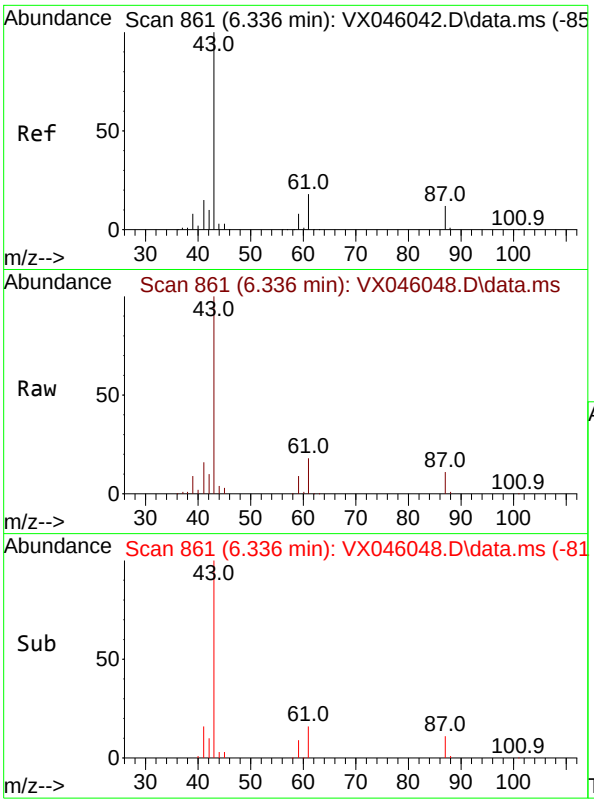


#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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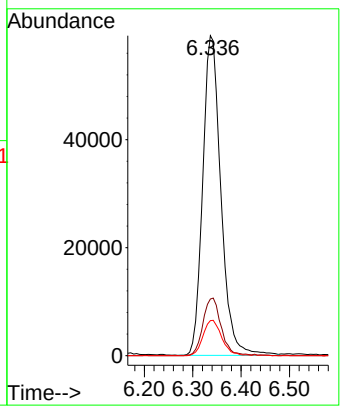
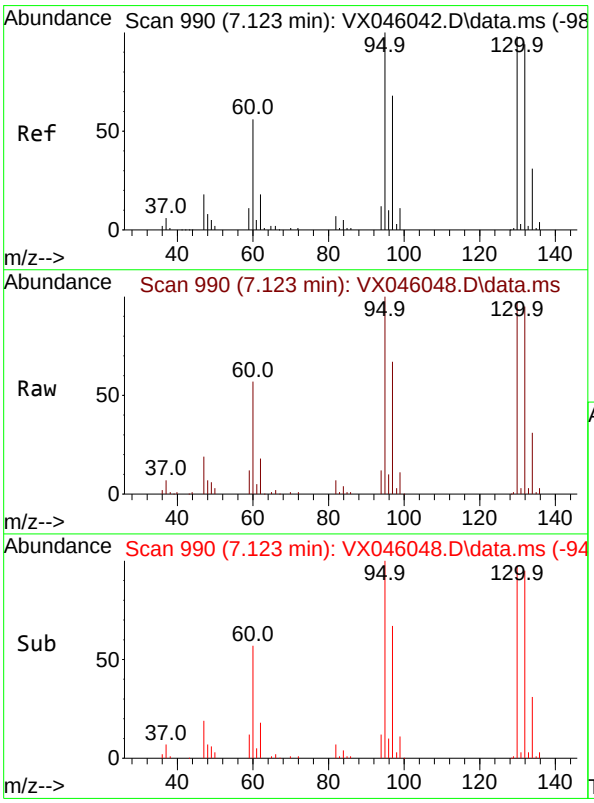
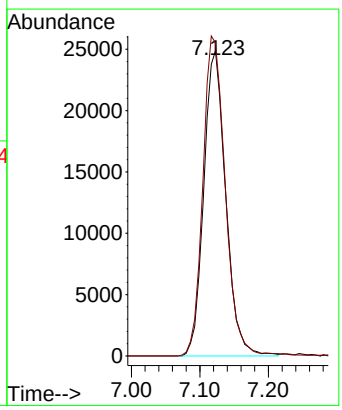


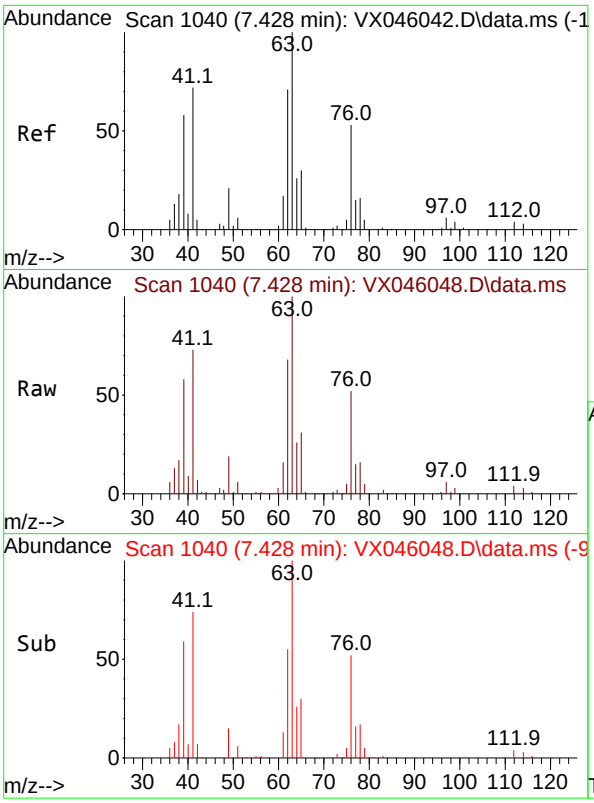


#44
Trichloroethene
Concen: 50.018 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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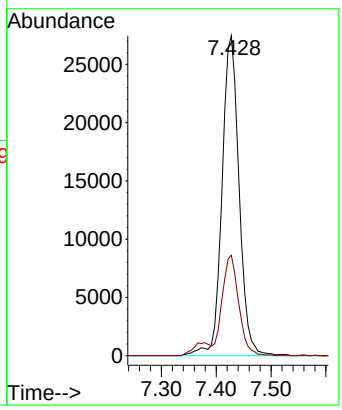
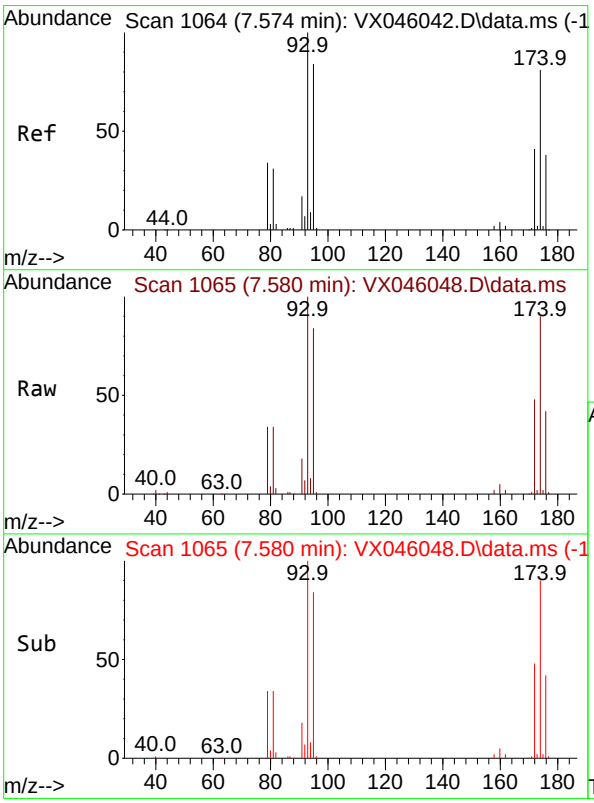
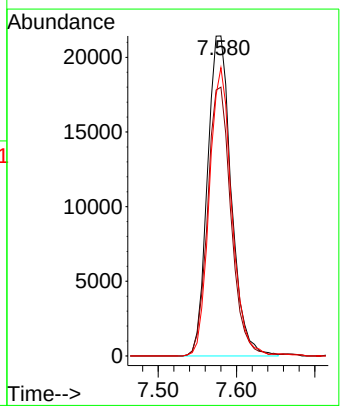


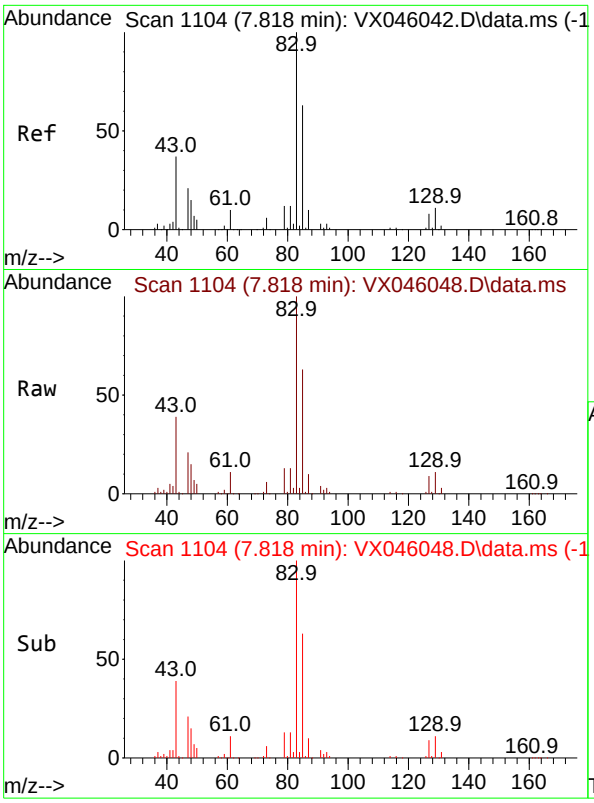


#46
Dibromomethane
Concen: 49.978 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

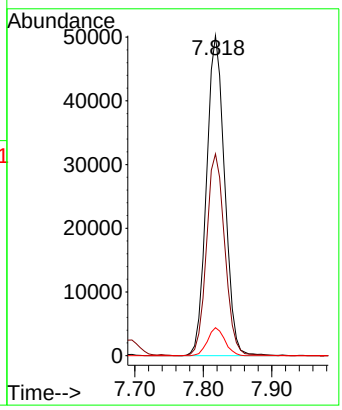




#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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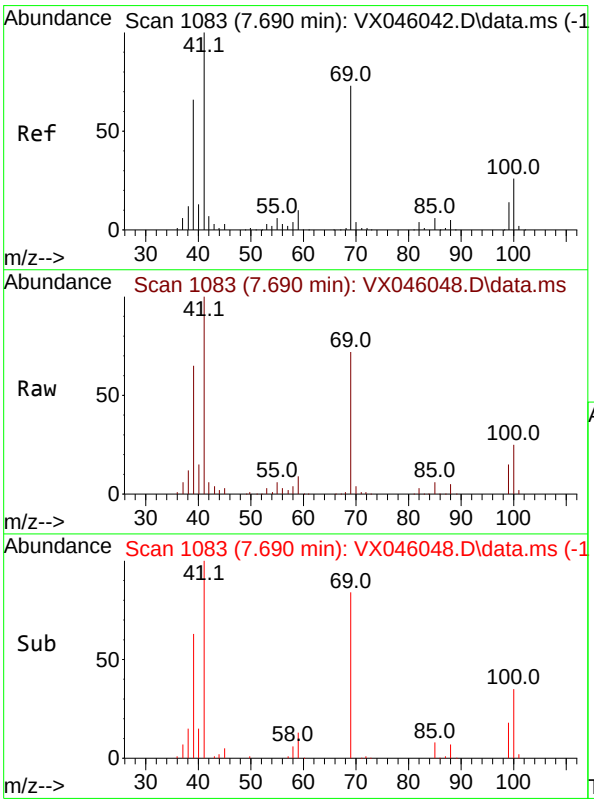
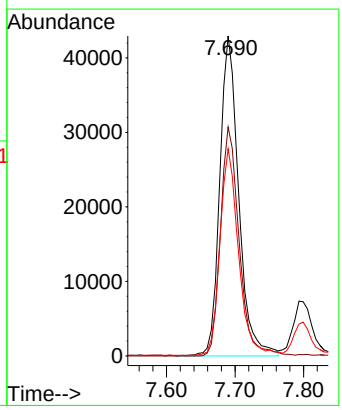
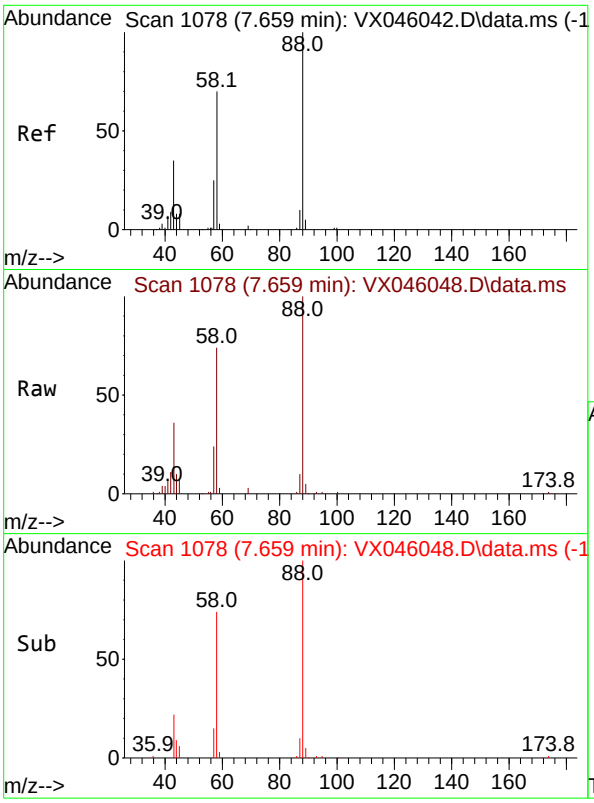


#48
Methyl methacrylate
Concen: 54.226 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

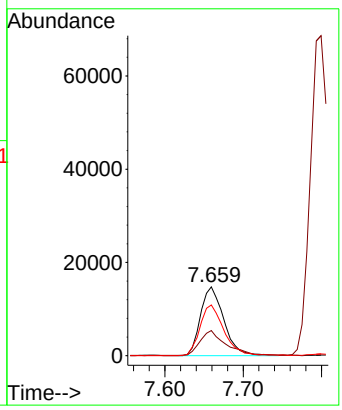




#49
1,4-Dioxane
Concen: 1059.599 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

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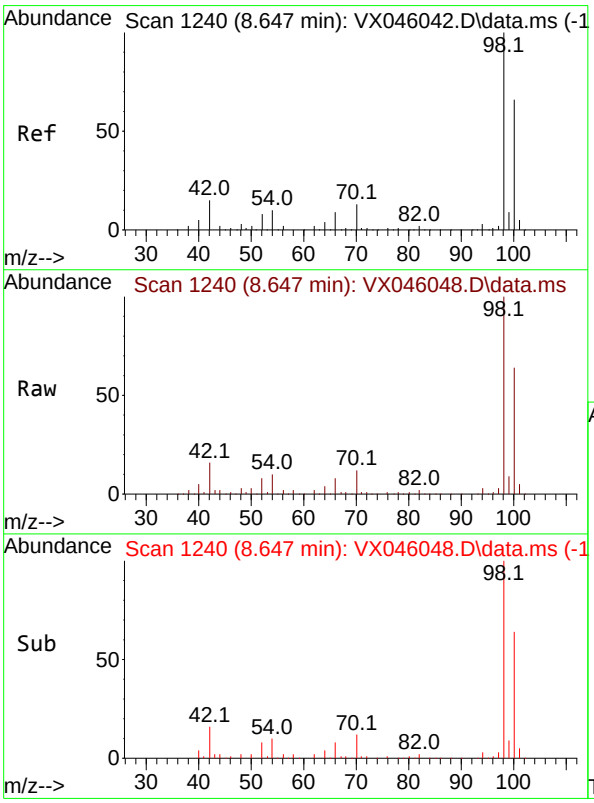
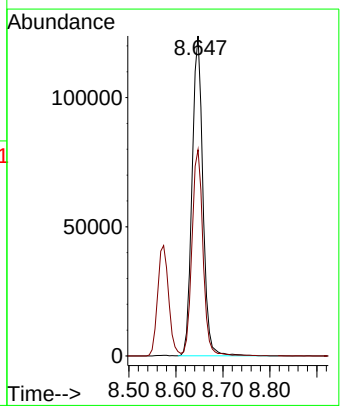
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

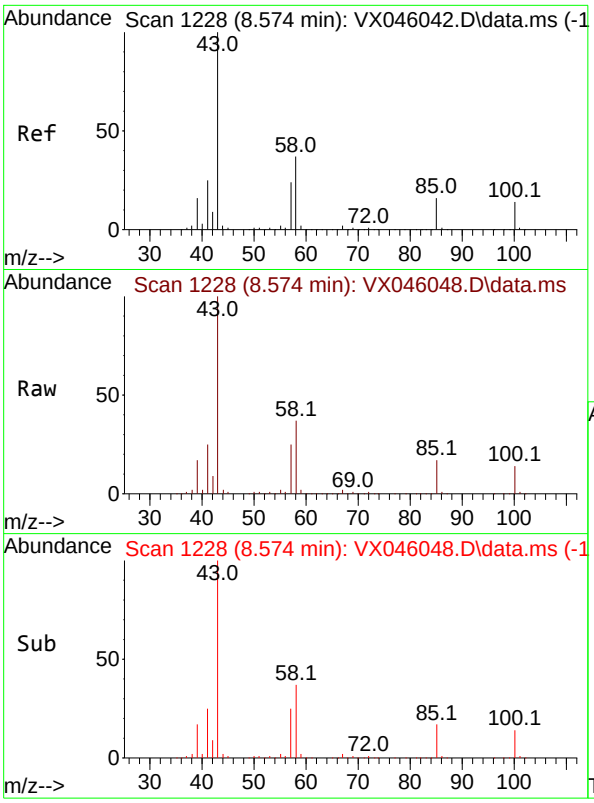


#50
Toluene-d8
Concen: 48.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

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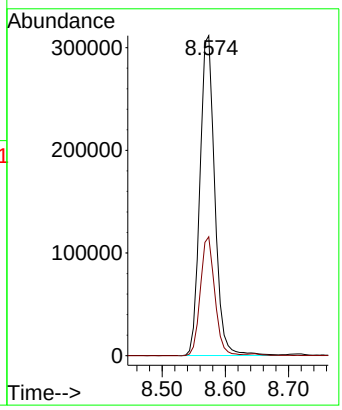
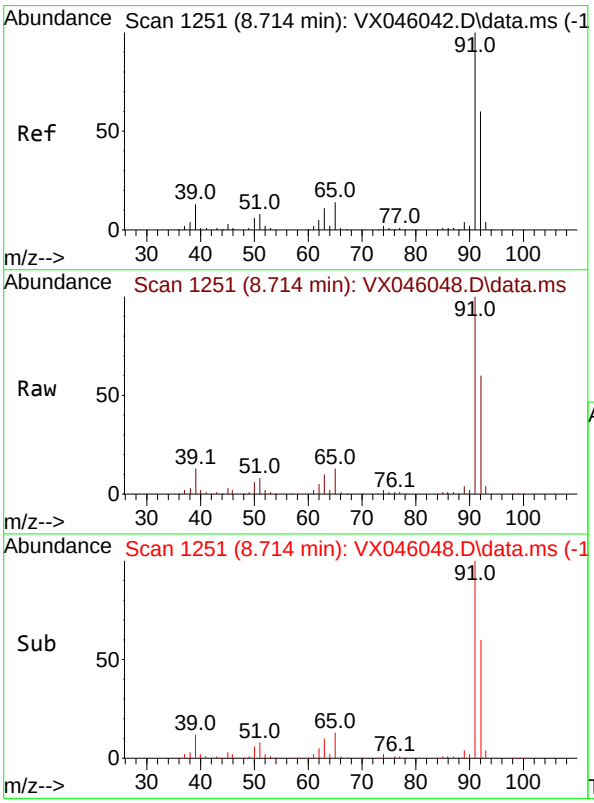
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

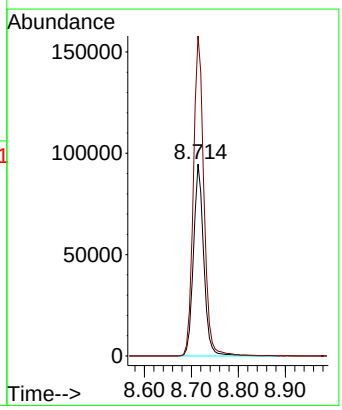


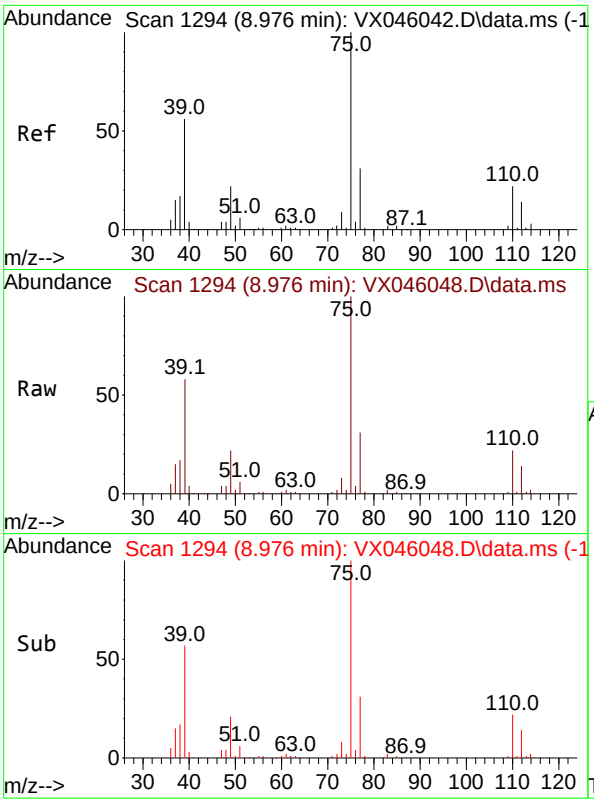


#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.6	205.0

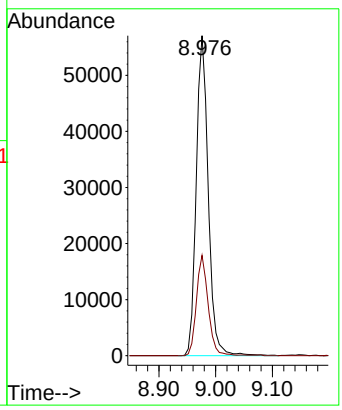




#53
t-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 8375

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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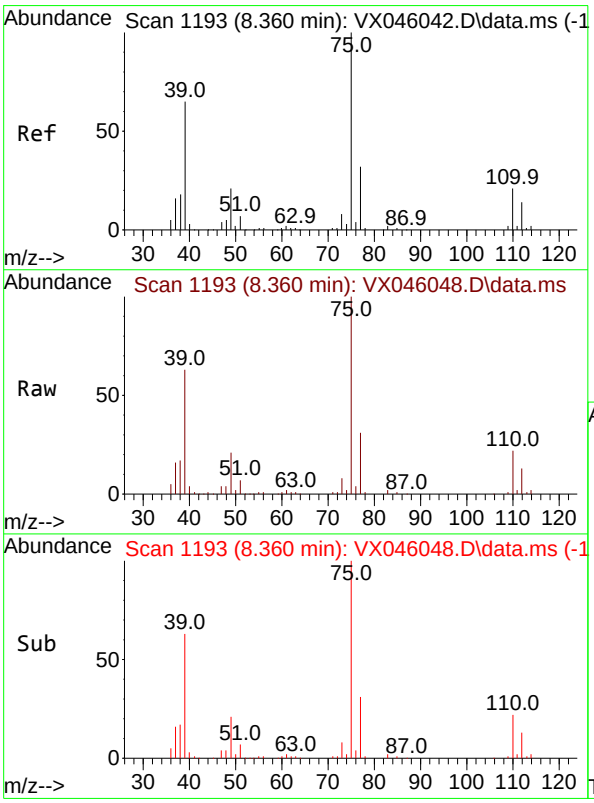
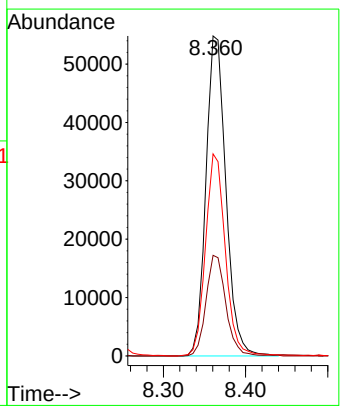
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

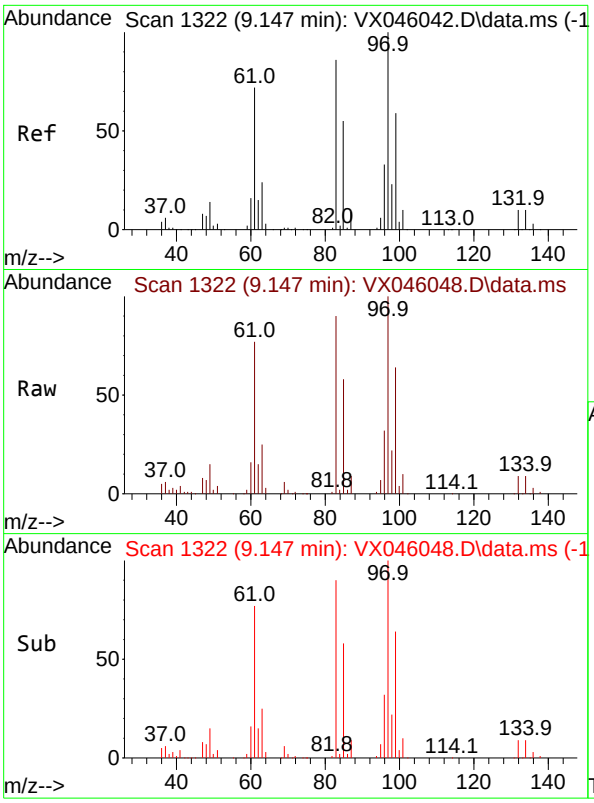


#54
cis-1,3-Dichloropropene
Concen: 52.892 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

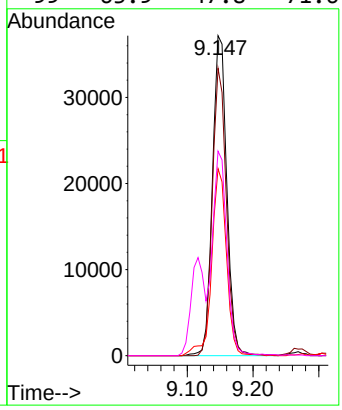




#55
1,1,2-Trichloroethane
Concen: 50.887 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

Manual Integrations
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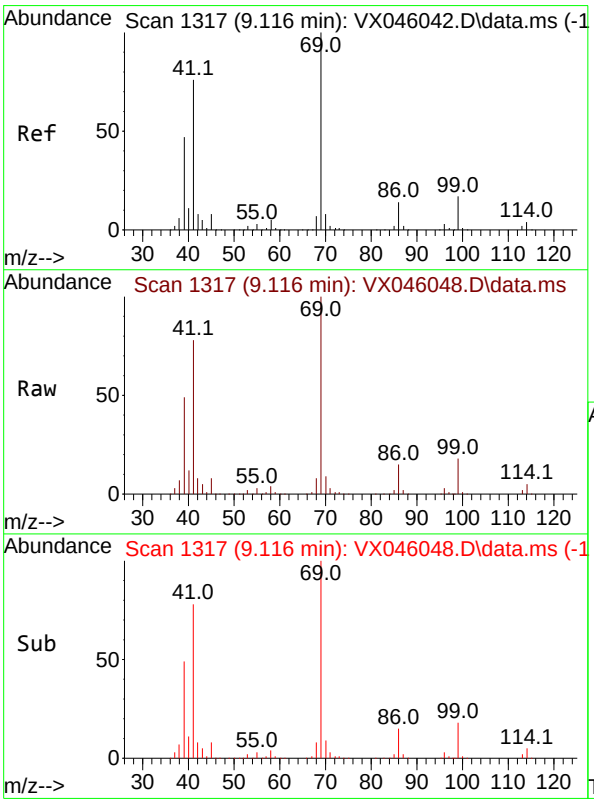
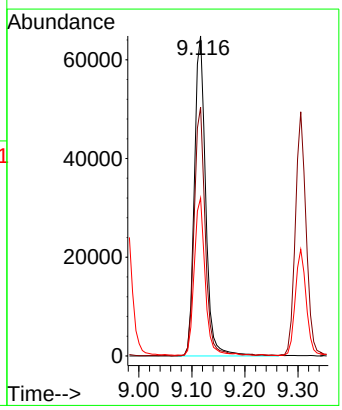
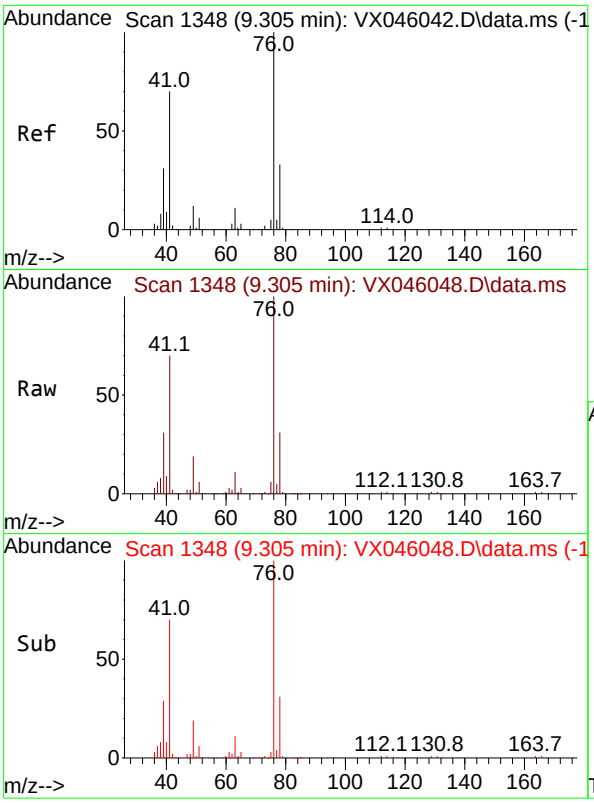


#56
Ethyl methacrylate
Concen: 53.918 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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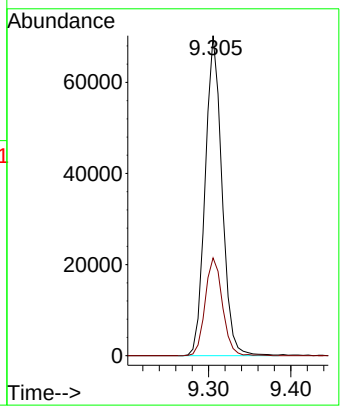
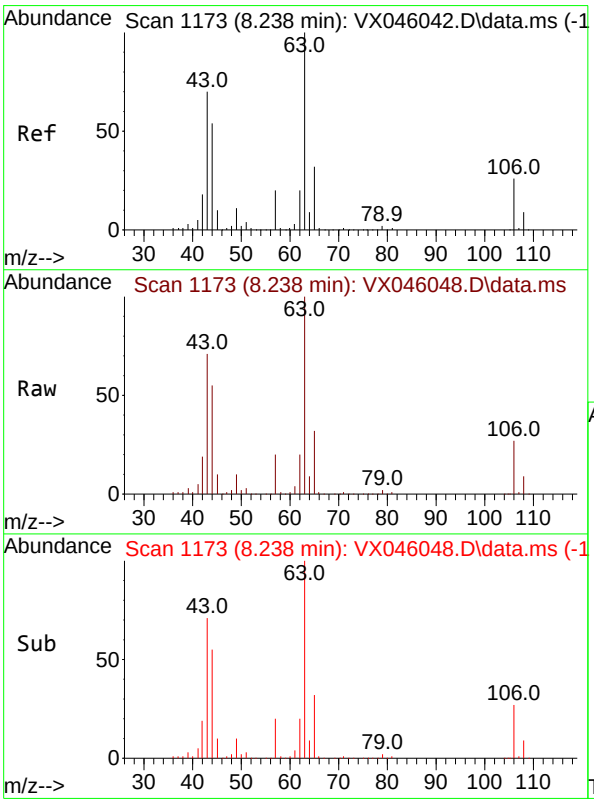
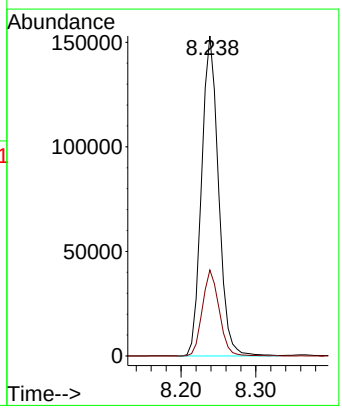


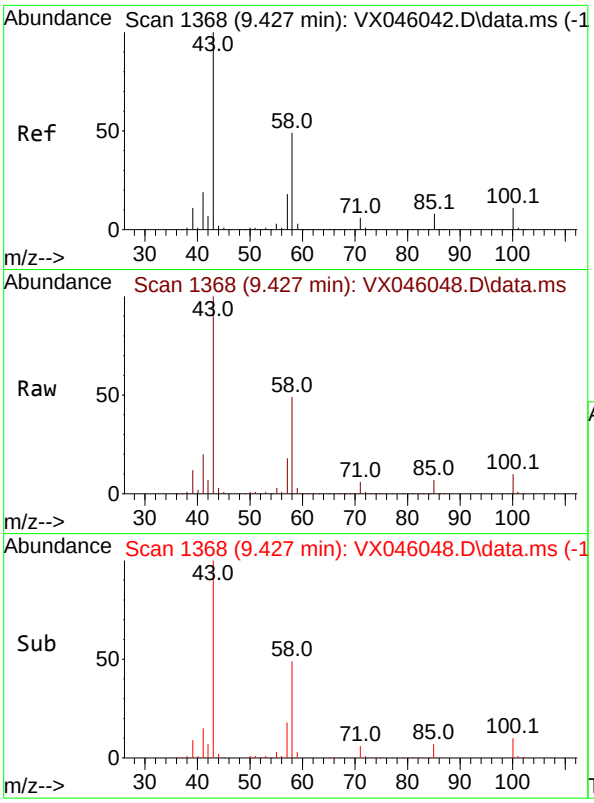


#58
2-Chloroethyl Vinyl ether
Concen: 265.780 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

Manual Integrations
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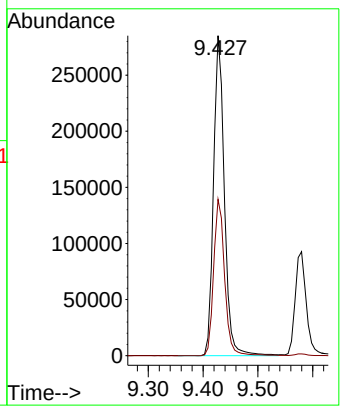
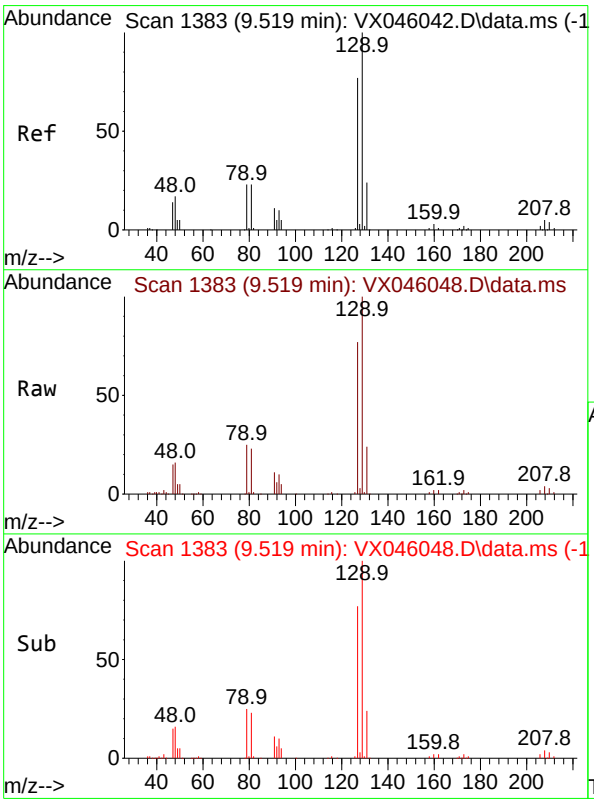
Supervised By :Mahesh Dadoda 05/06/2025

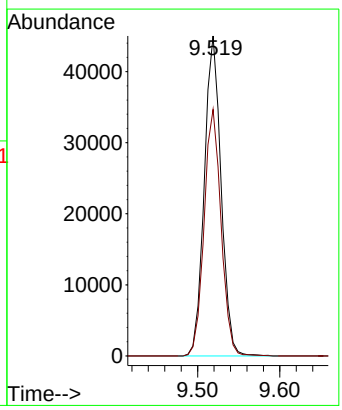


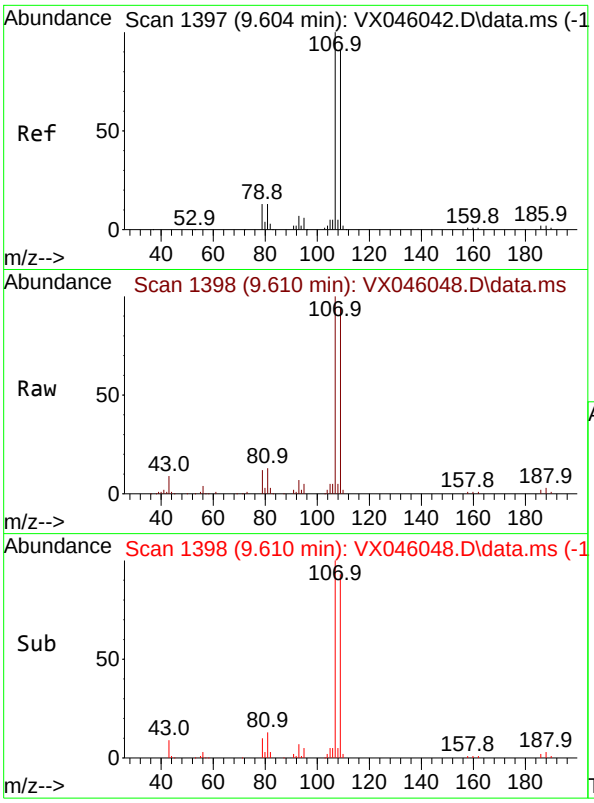


#60
Dibromochloromethane
Concen: 52.075 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

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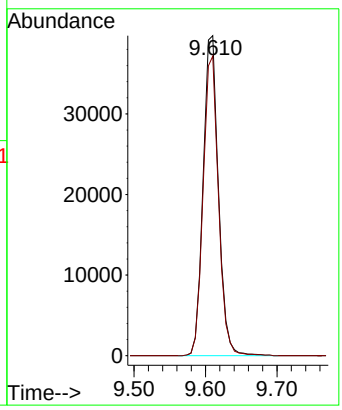
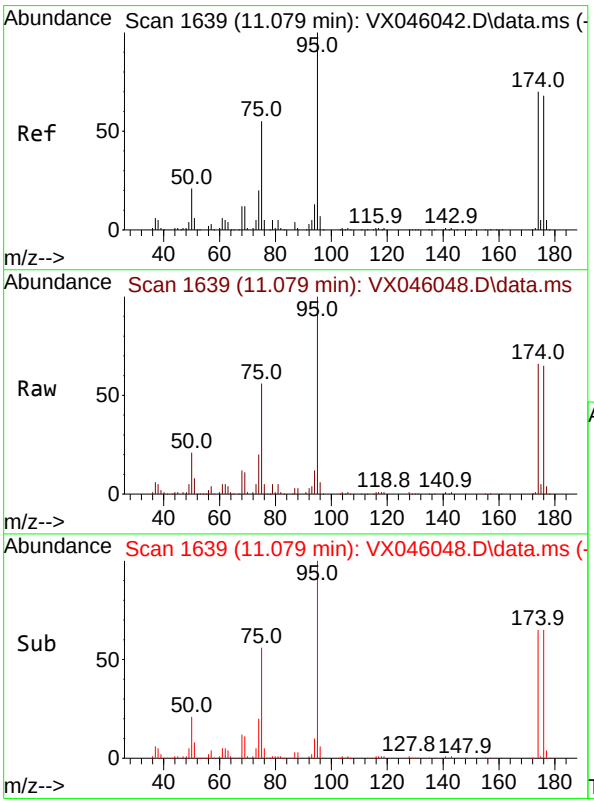
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

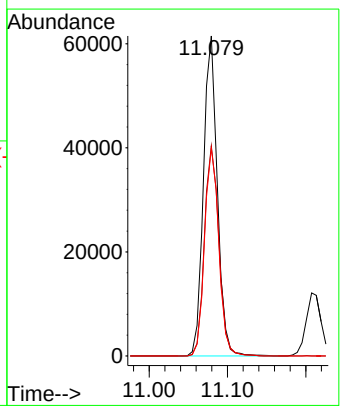


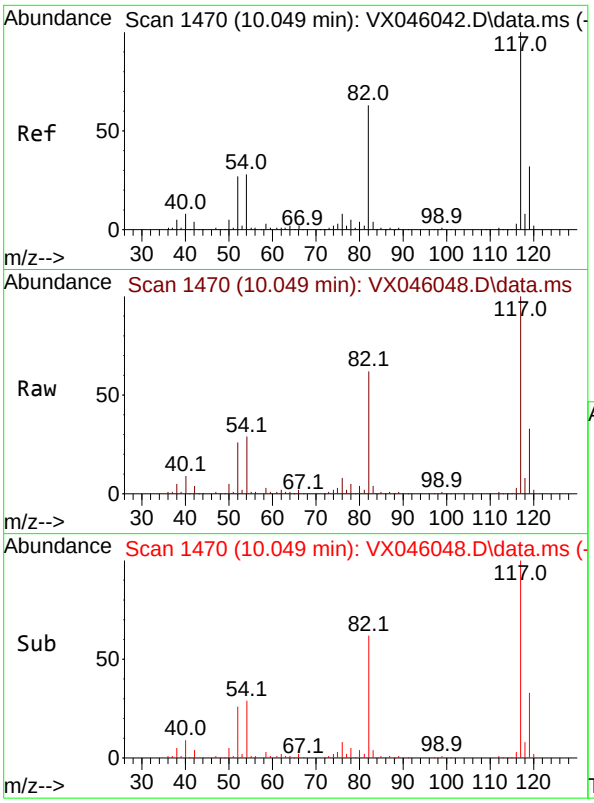


#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

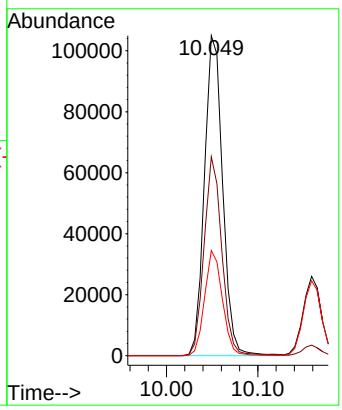




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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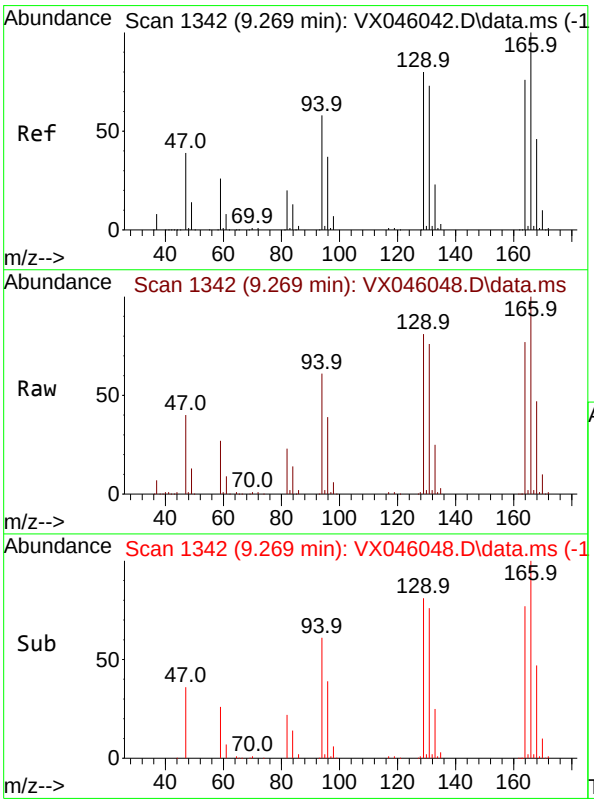
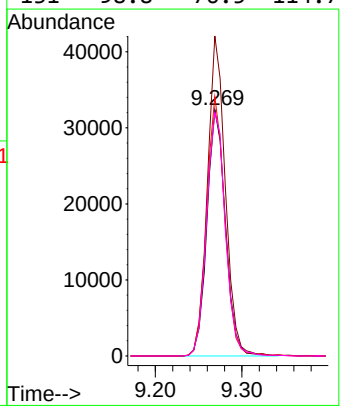
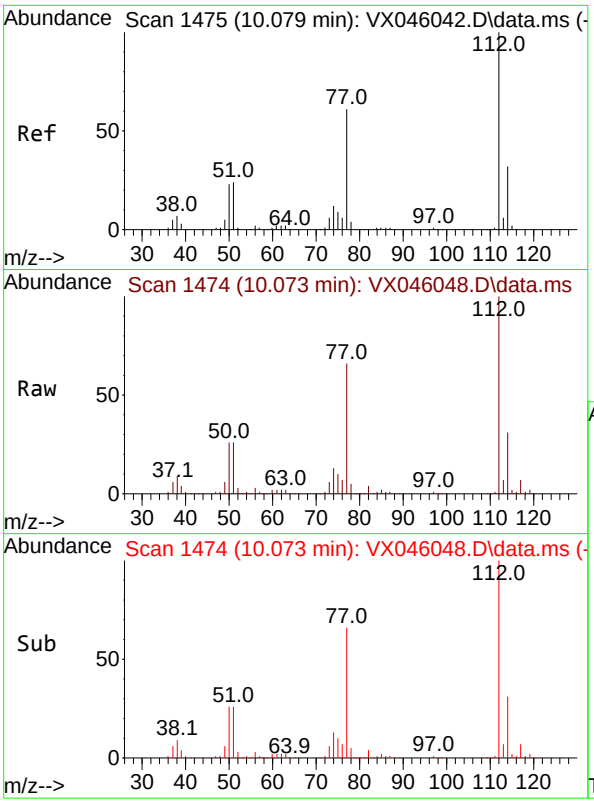


#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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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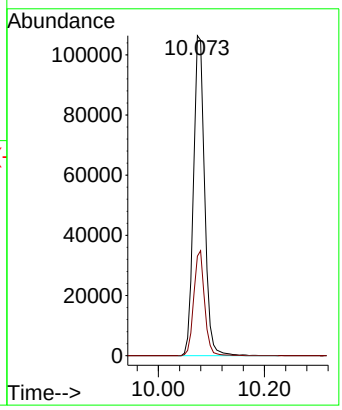
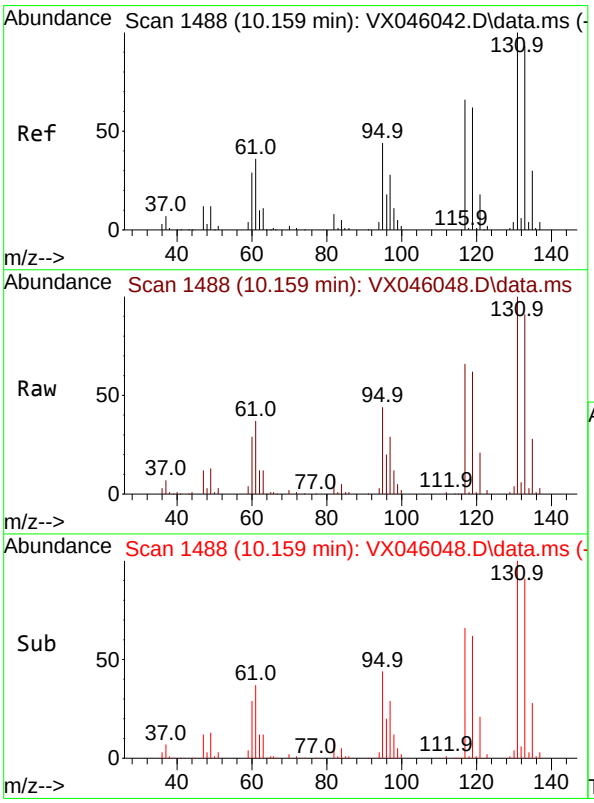
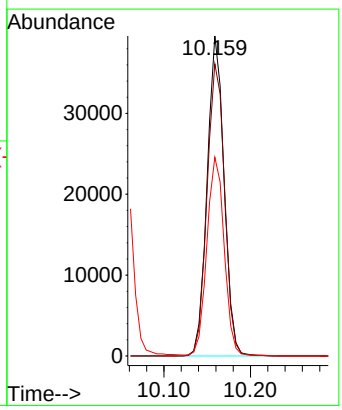


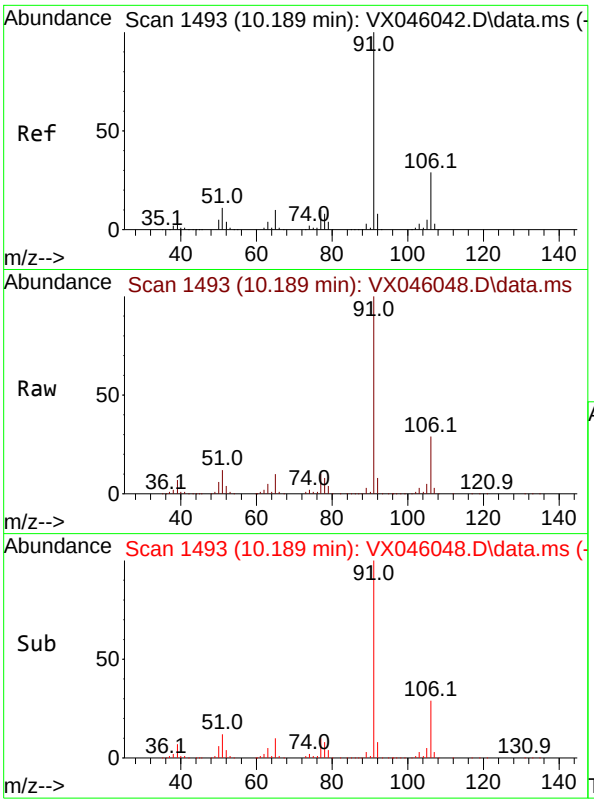


#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

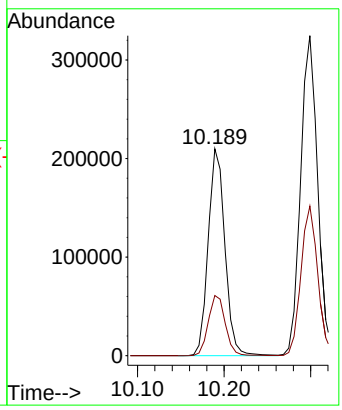
Tgt Ion: 91 Resp: 28123

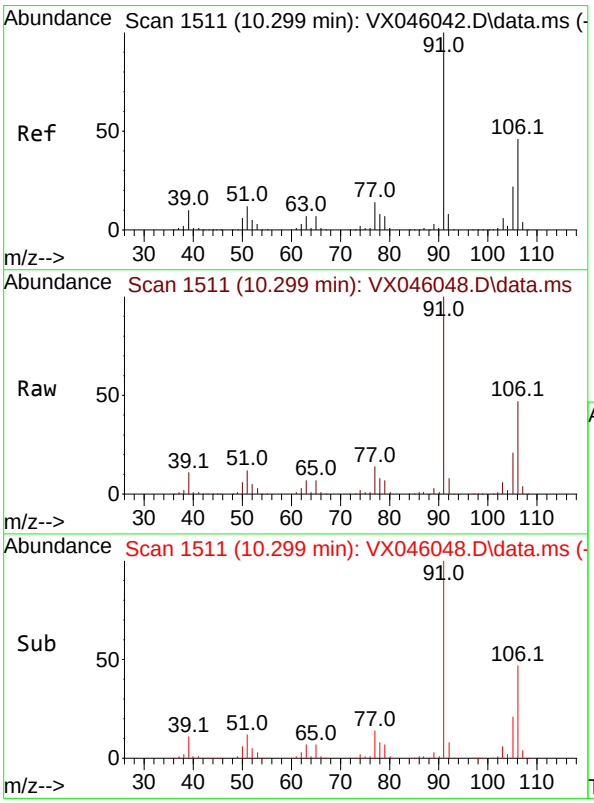
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

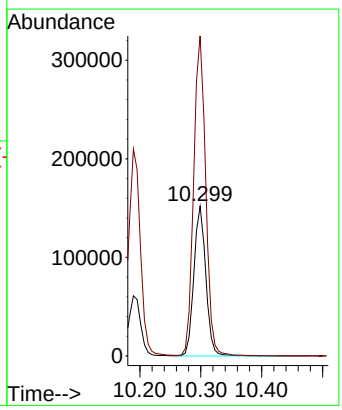


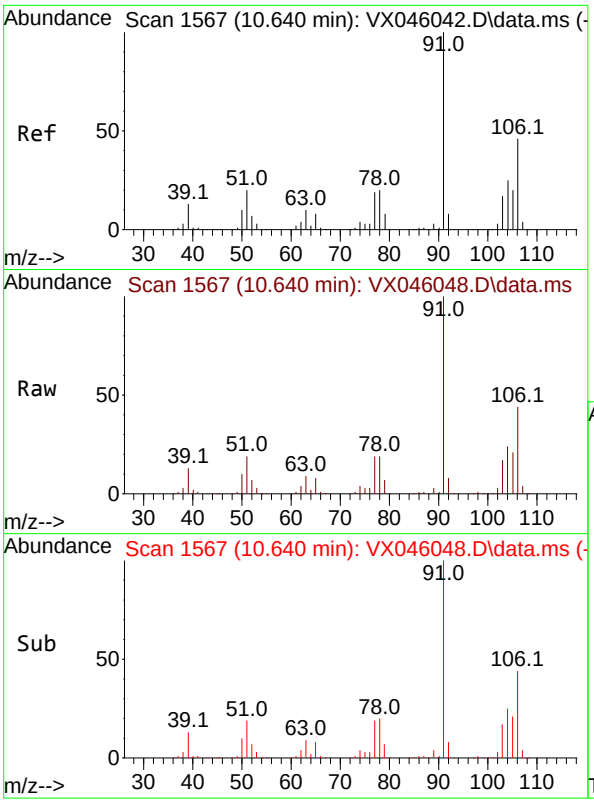


#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

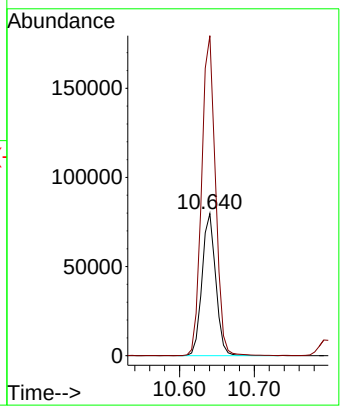
Tgt Ion:106 Resp: 10146

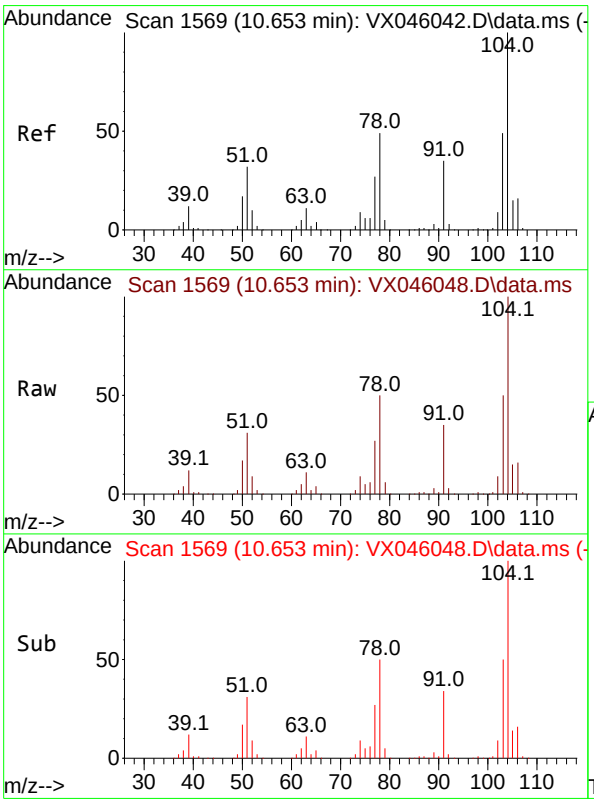
Ion	Ratio	Lower	Upper
106	100		
91	227.7	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

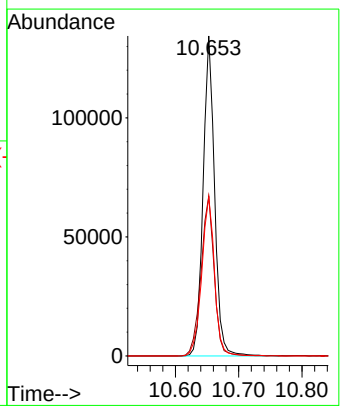


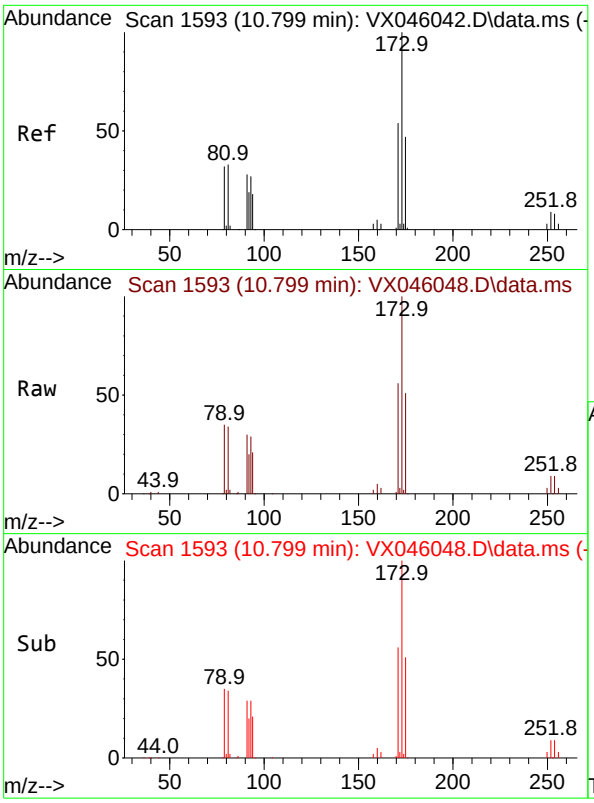


#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

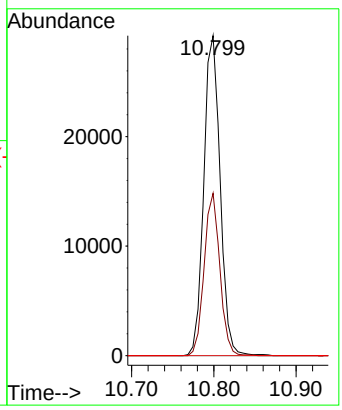




#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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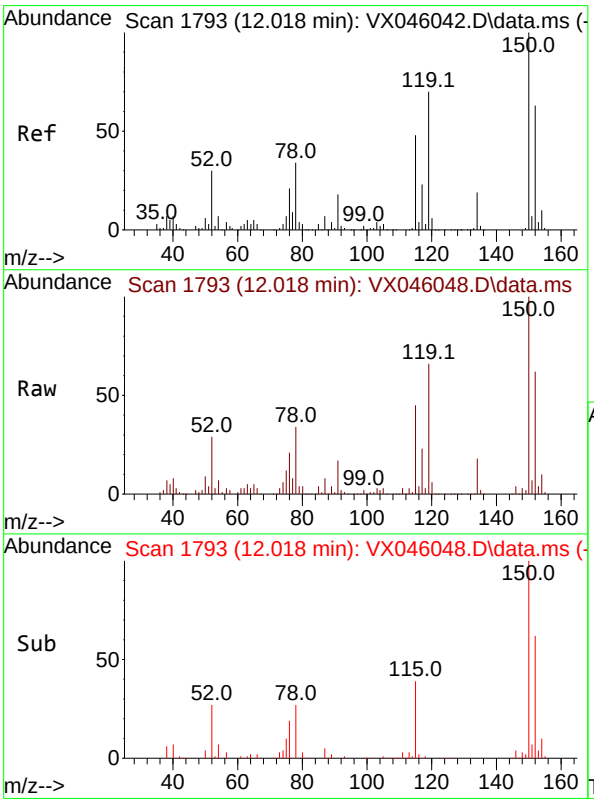
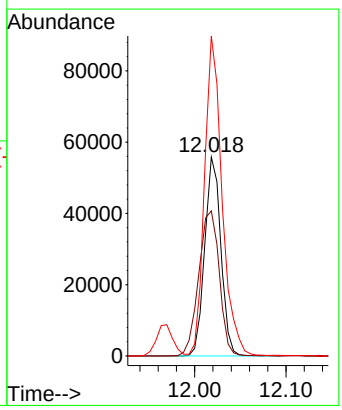
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

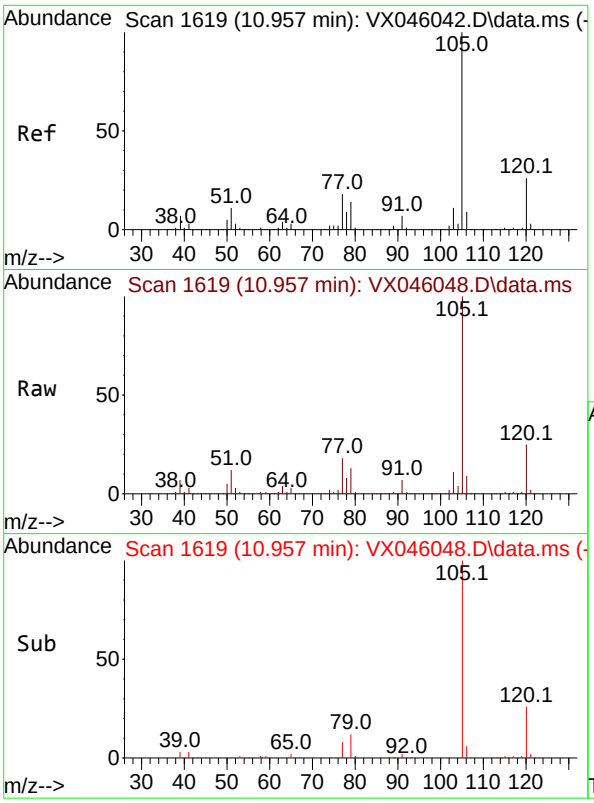


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

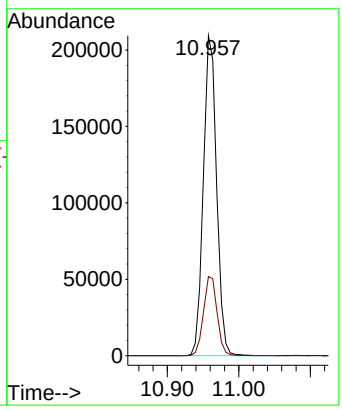
Tgt Ion:105 Resp: 26948

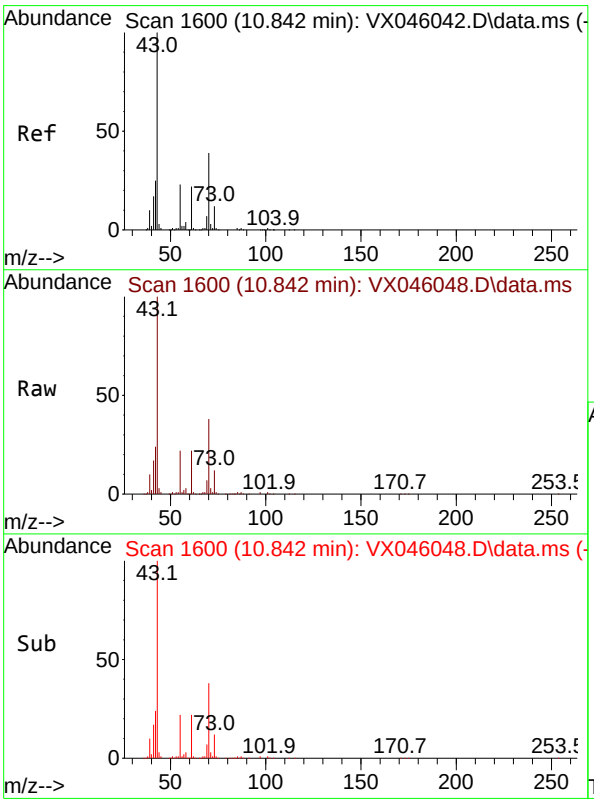
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

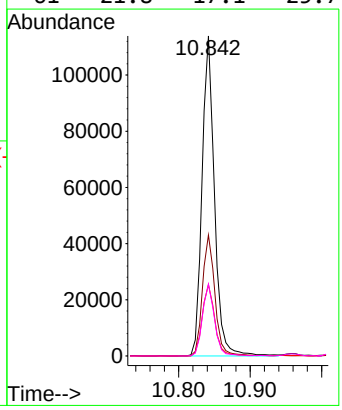


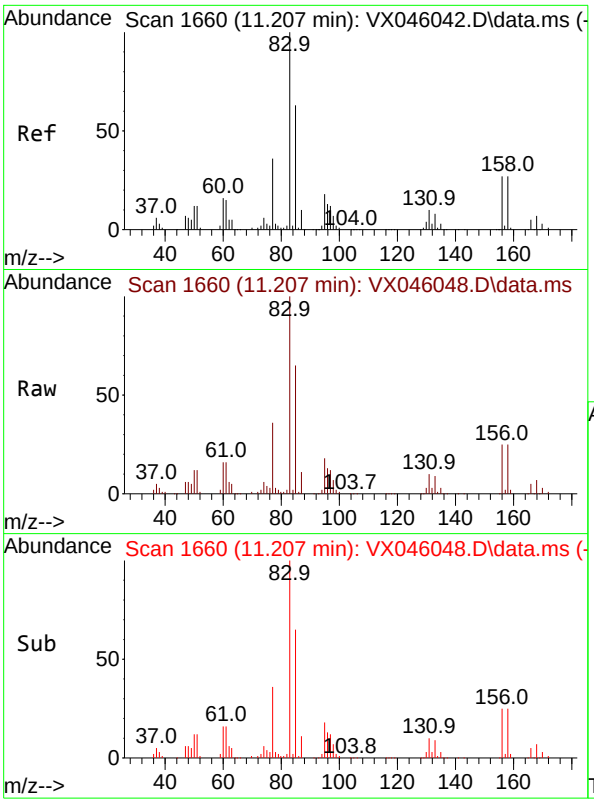


#74
N-amyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

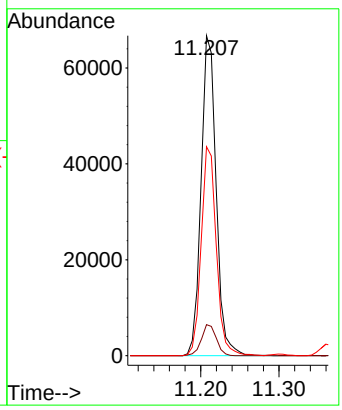




#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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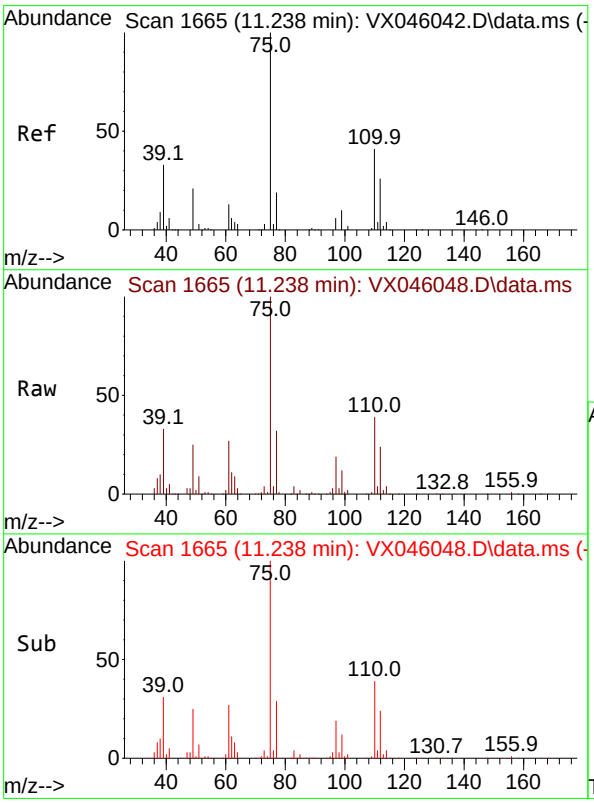
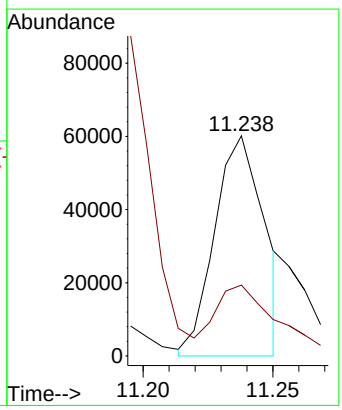
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

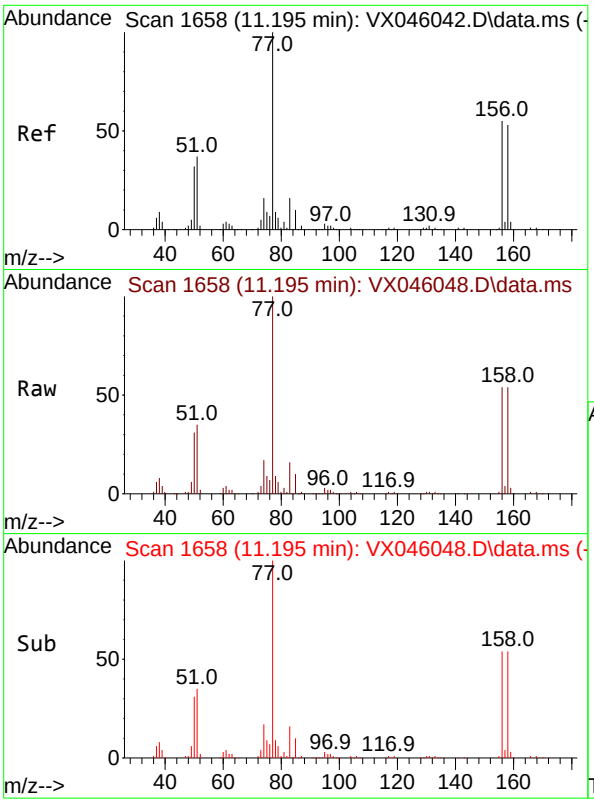


#76
1,2,3-Trichloropropane
Concen: 48.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 79763

Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.5	61.5

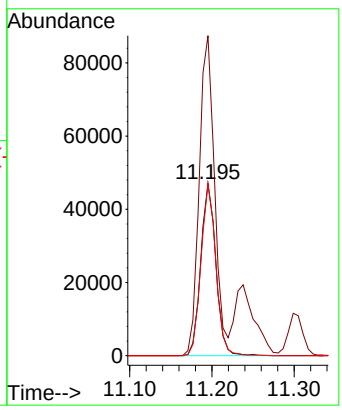




#77
Bromobenzene
Concen: 48.549 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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
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Reviewed By :John Carlone 05/06/2025
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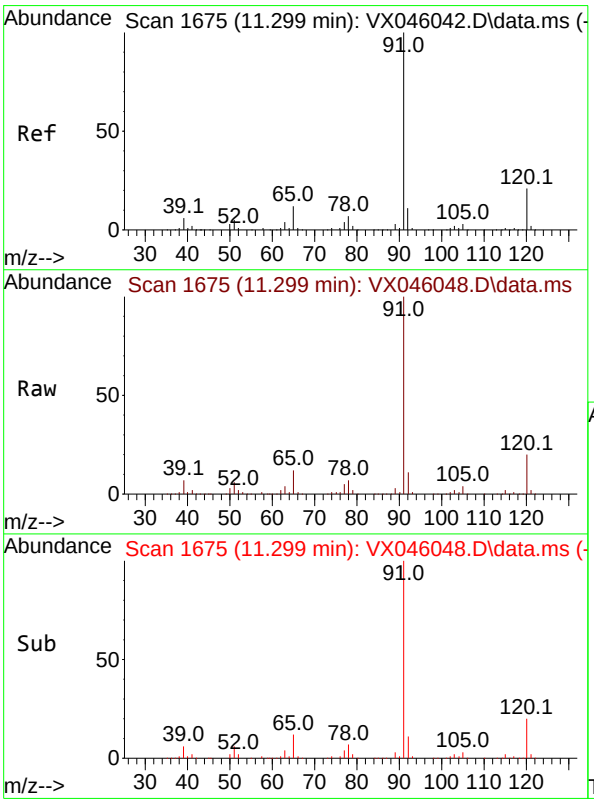
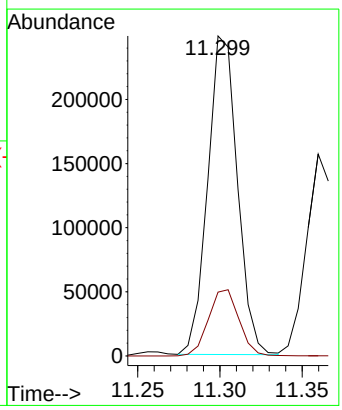
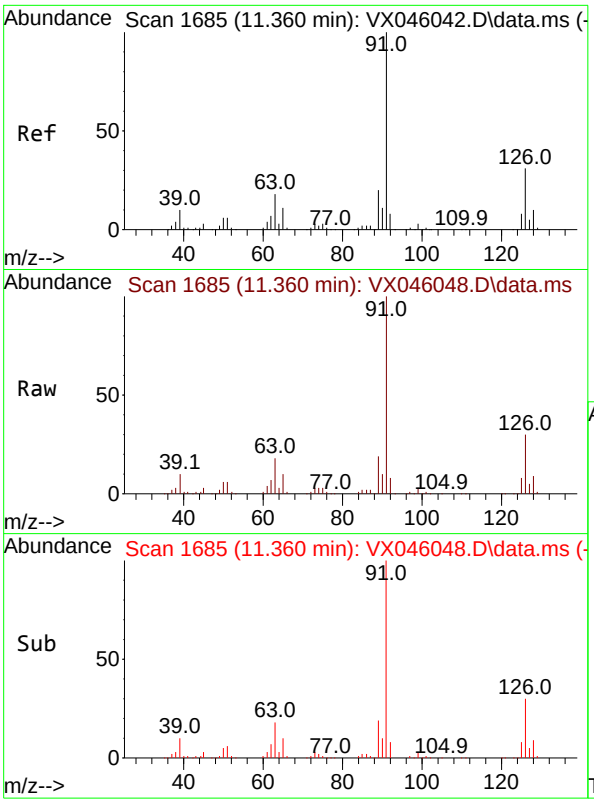


#78
n-propylbenzene
Concen: 50.562 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 312285

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4

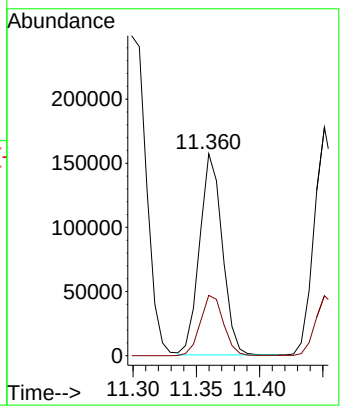




#79
2-Chlorotoluene
Concen: 49.107 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 19563

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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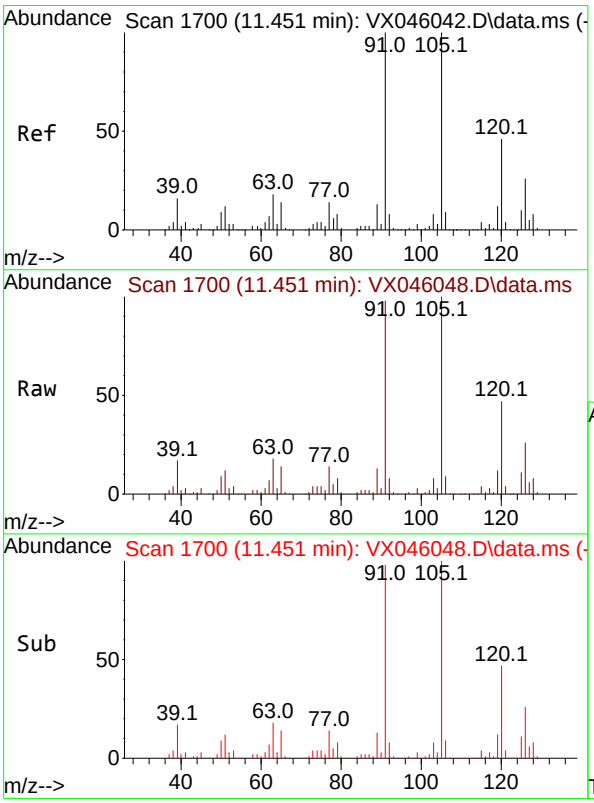
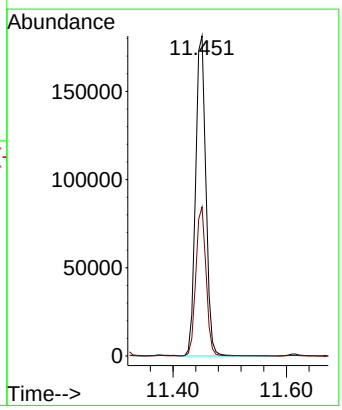
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

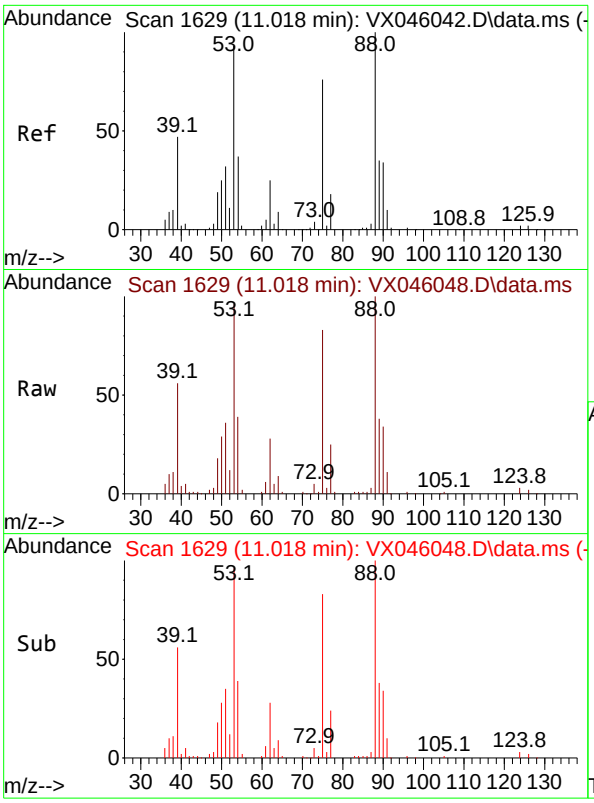


#80
1,3,5-Trimethylbenzene
Concen: 51.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 228538

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2

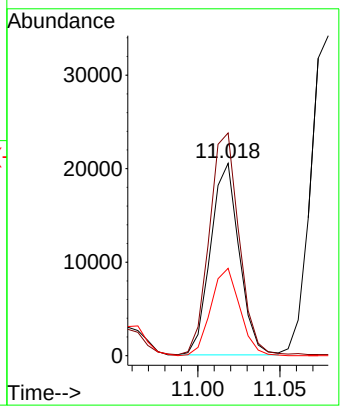




#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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
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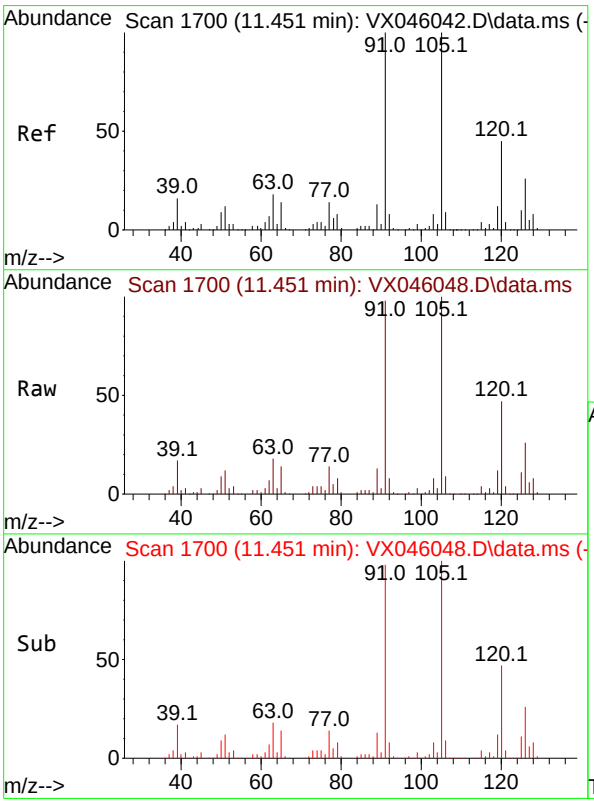
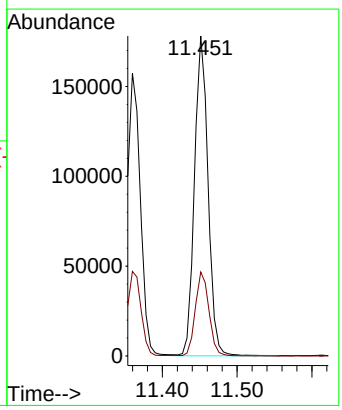
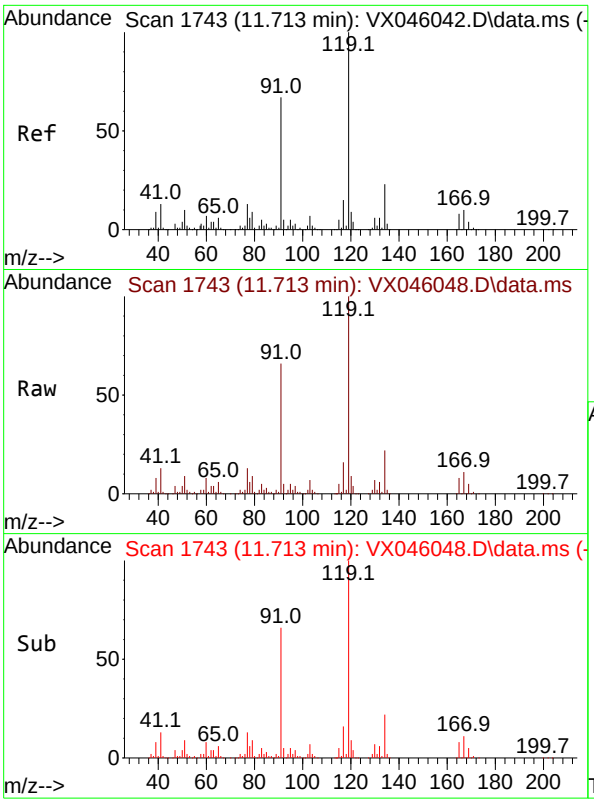


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

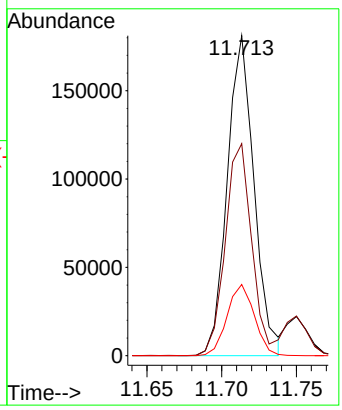




#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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
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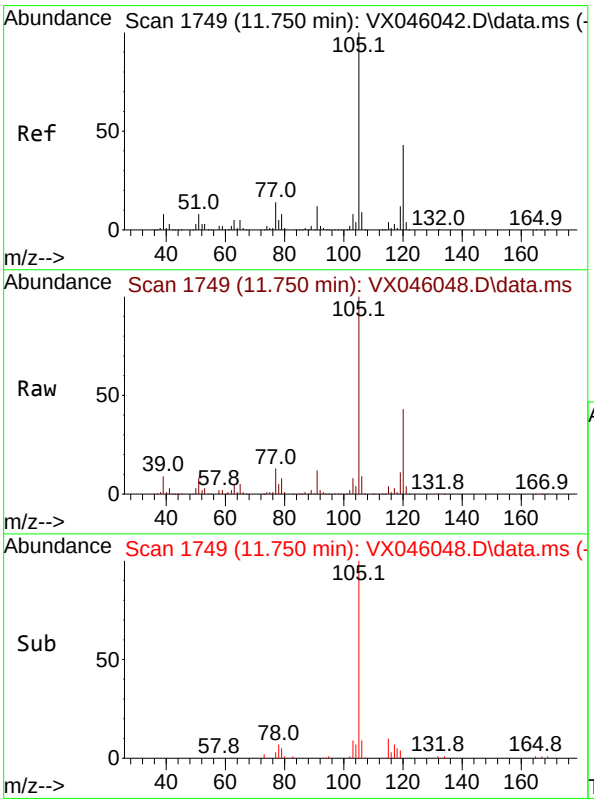
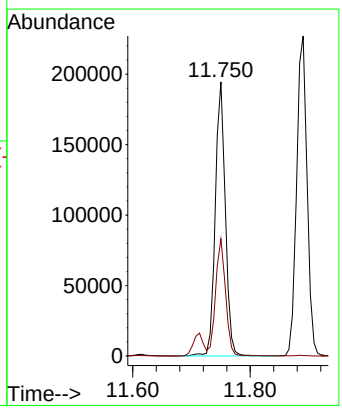
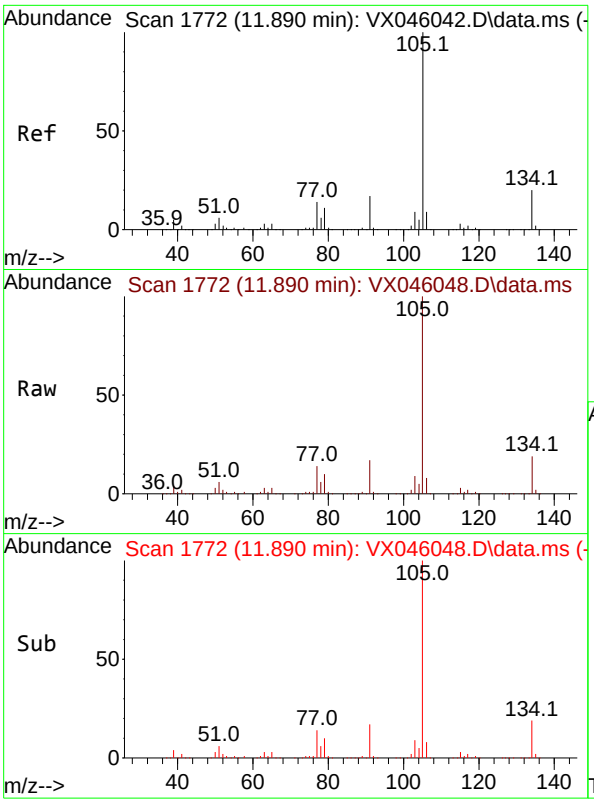


#84
1,2,4-Trimethylbenzene
Concen: 51.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

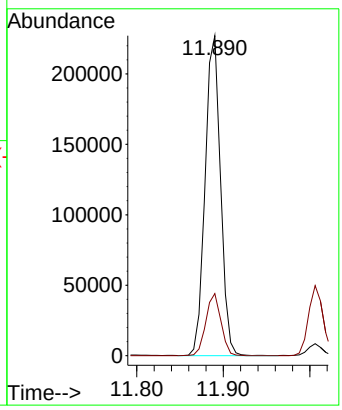
Tgt Ion:105 Resp: 28057

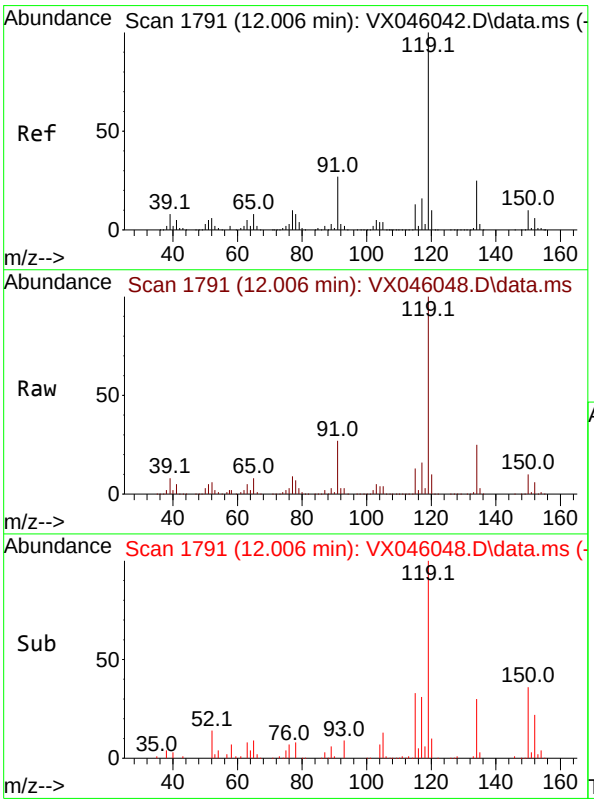
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

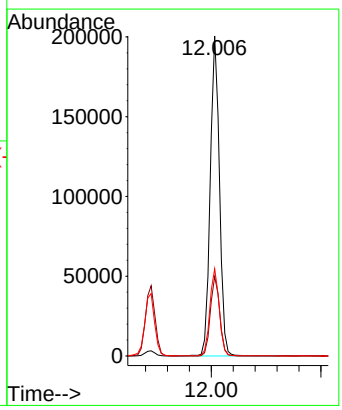


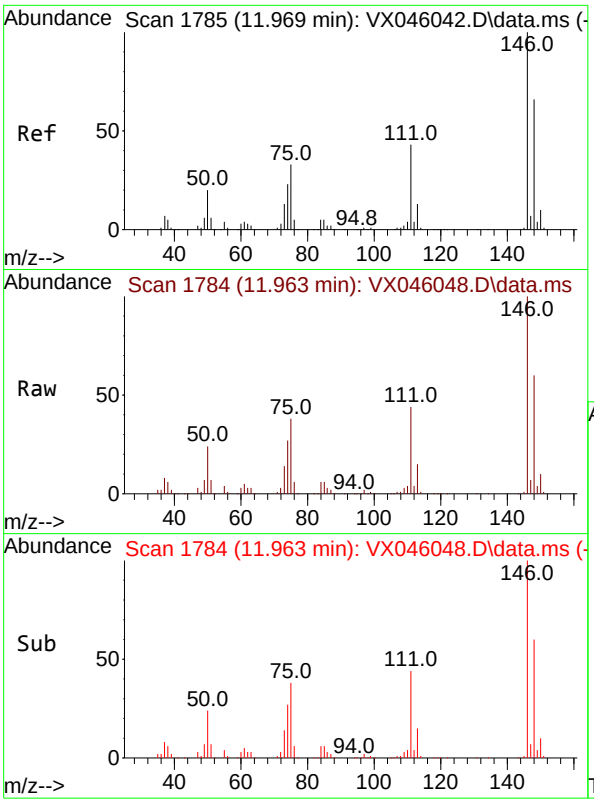


#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

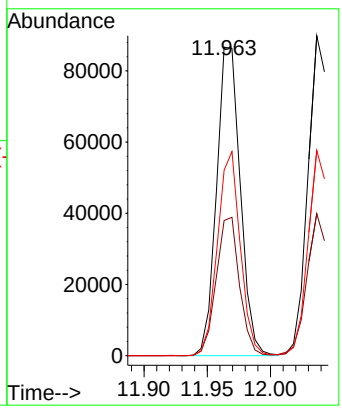




#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11314

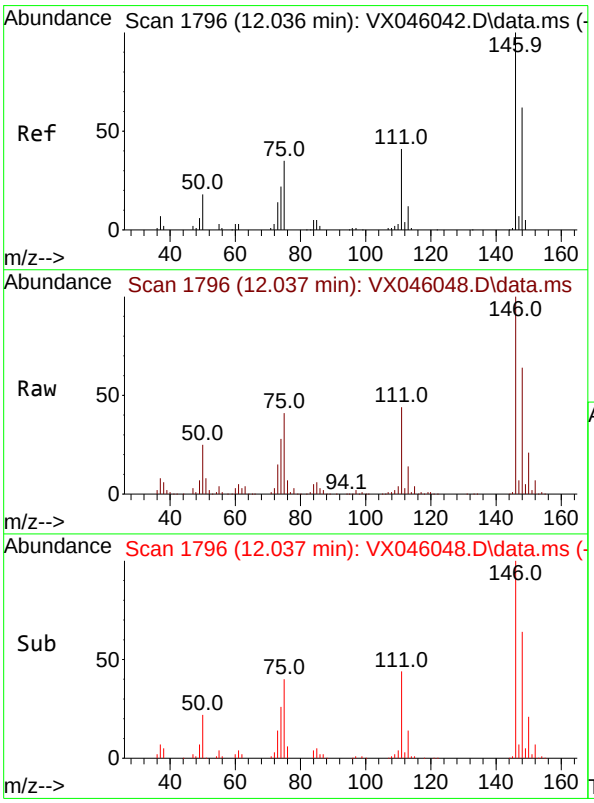
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

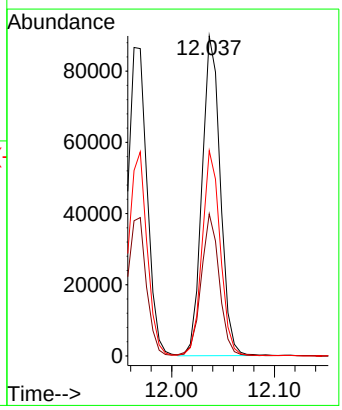
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

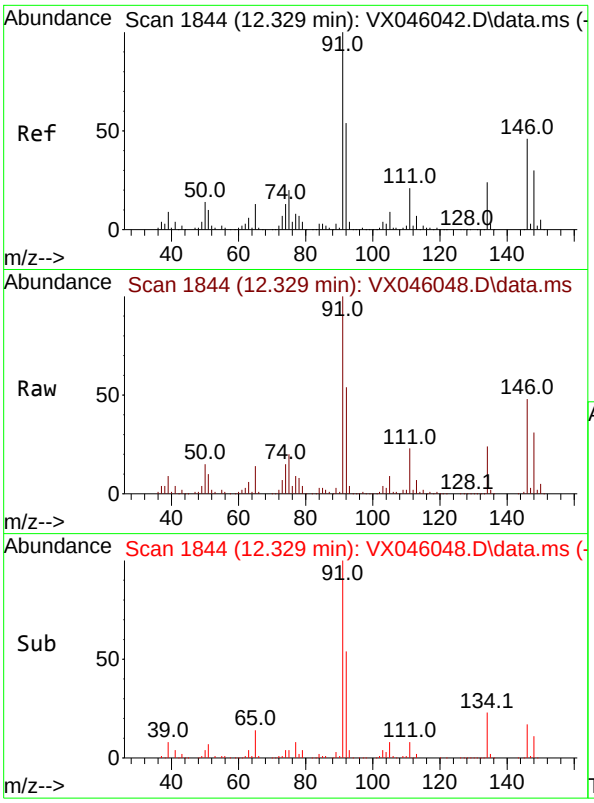


#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

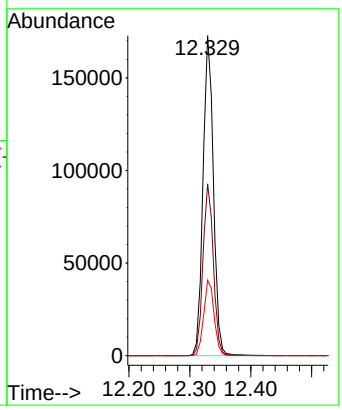
Tgt Ion: 91 Resp: 20585

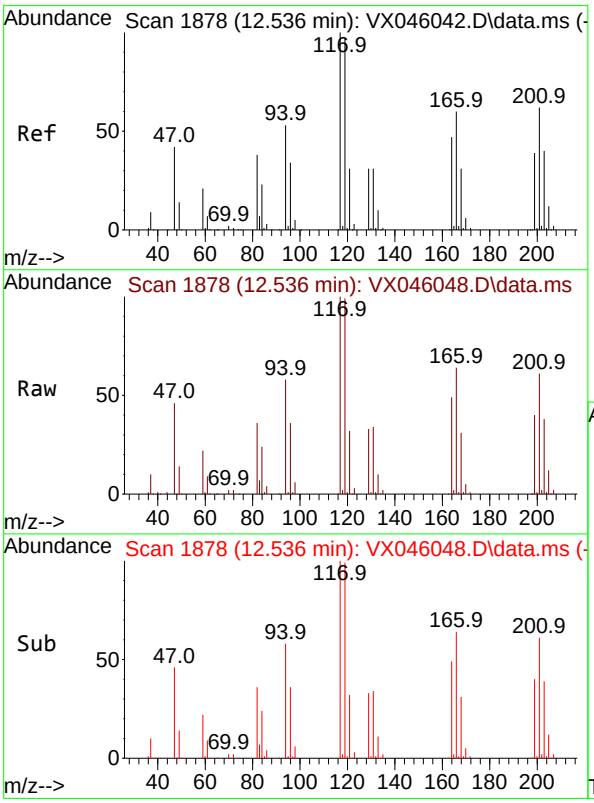
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	23.7	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

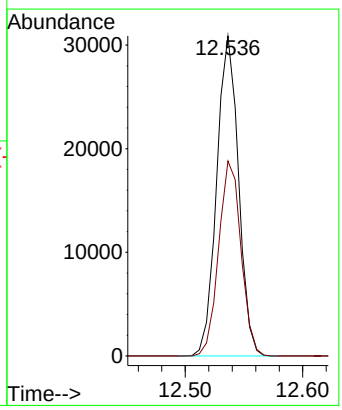


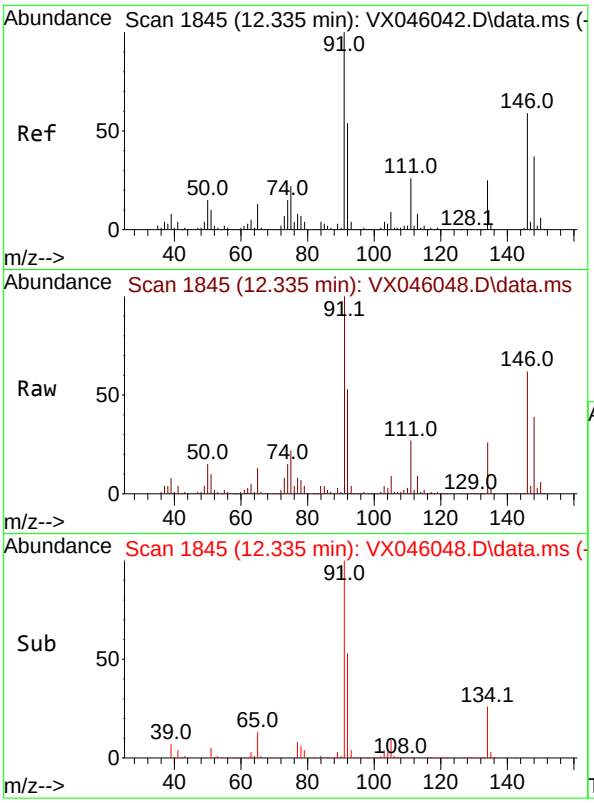


#90
Hexachloroethane
Concen: 49.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 39823

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.6	94.7

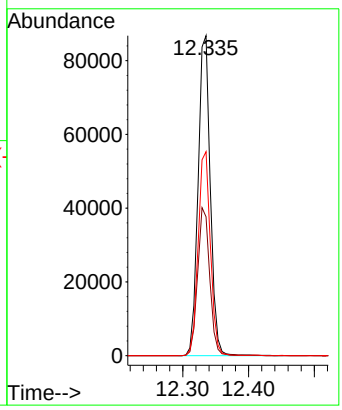




#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11148

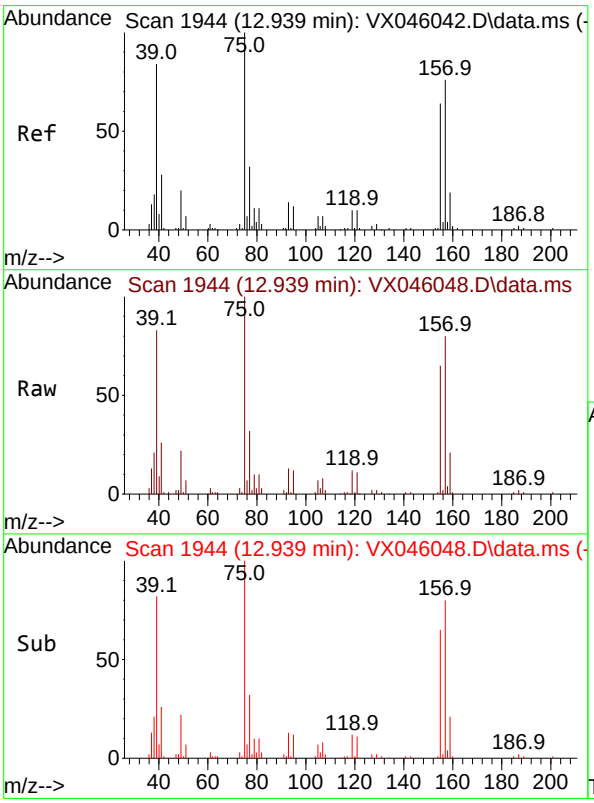
Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

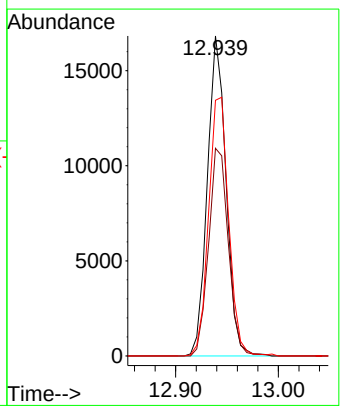
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

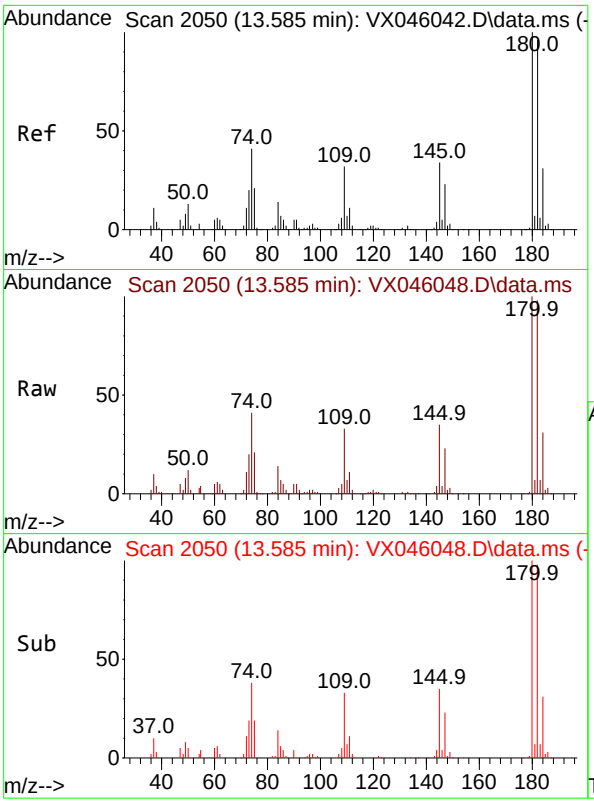


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

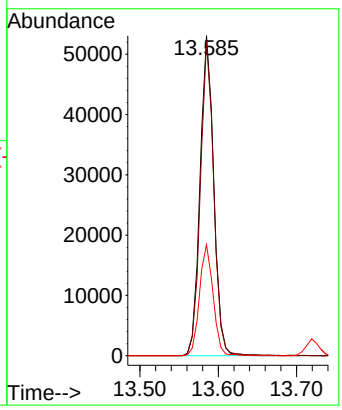




#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 6442

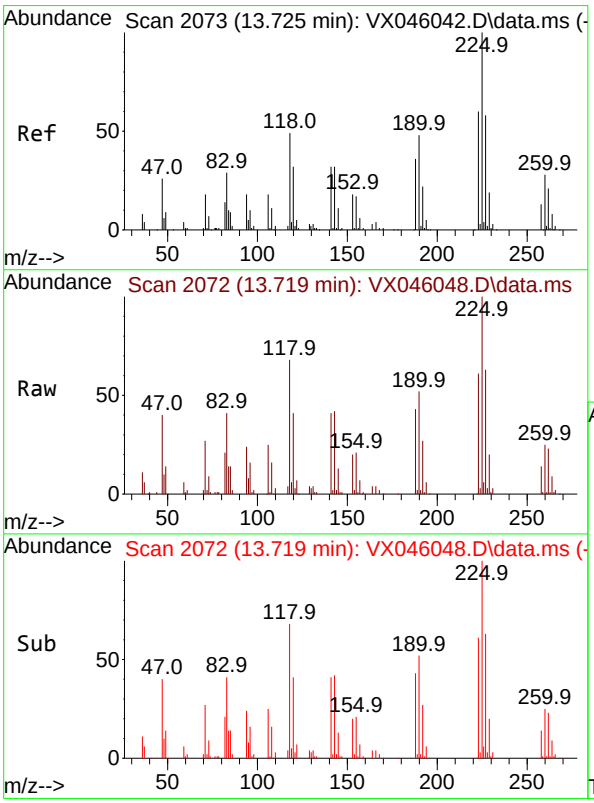
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	34.4	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

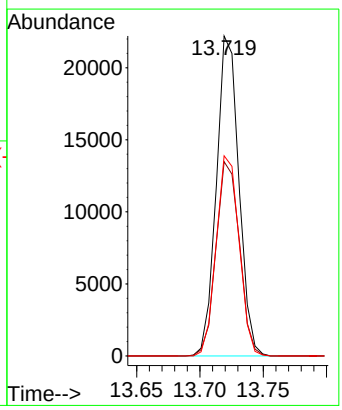
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

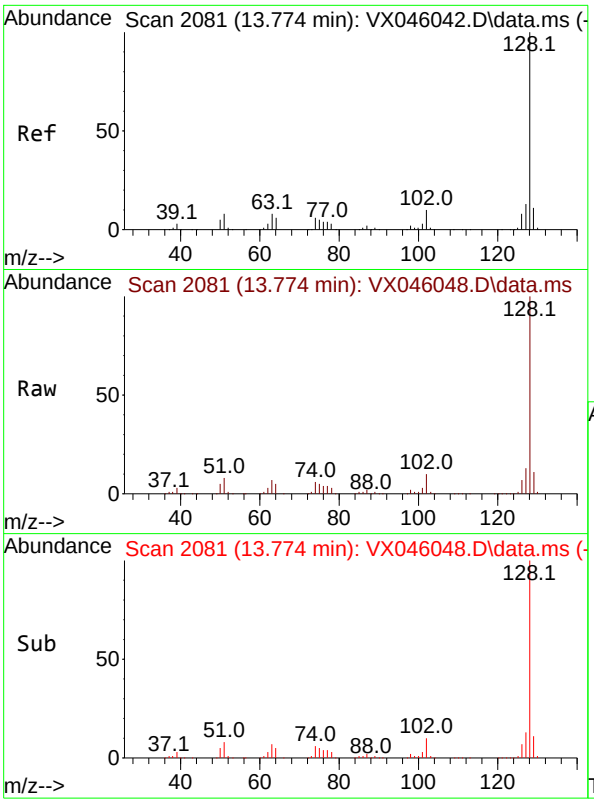


#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

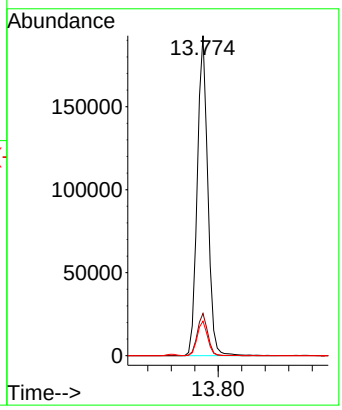




#95
Naphthalene
Concen: 50.404 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:128 Resp: 23980

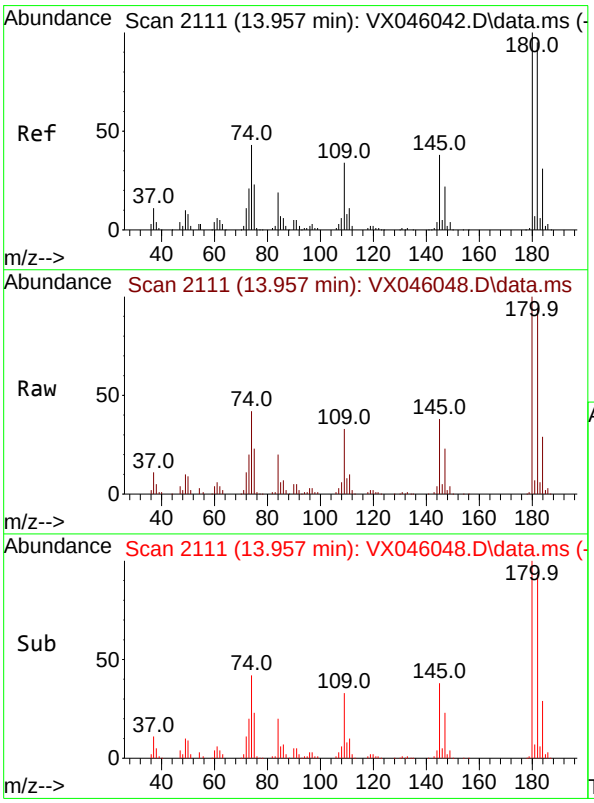
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

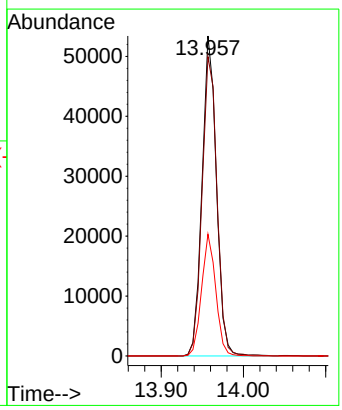
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#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



Evaluate Continuing Calibration Report

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

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

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

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

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

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

Evaluate Continuing Calibration Report

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

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

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

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

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

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

Raw Data: **VX046200.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2050 SAS No.: Q2050 SDG No.: Q2050

Instrument ID: MSVOA_X Calibration Date/Time: 05/15/2025 09:52

Lab File ID: VX046200.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	0.714	0.1	-3.77	20
Vinyl Chloride	0.691	0.611		-11.58	20
Bromomethane	0.320	0.287		-10.31	20
Chloroethane	0.369	0.363		-1.63	20
Trichlorofluoromethane	1.021	0.958		-6.17	20
1,1,2-Trichlorotrifluoroethane	0.632	0.579		-8.39	20
1,1-Dichloroethene	0.593	0.532		-10.29	20
Acetone	0.374	0.380		1.6	20
Carbon Disulfide	1.406	1.195		-15.01	20
Methyl tert-butyl Ether	2.079	2.213		6.45	20
Methylene Chloride	0.716	0.687		-4.05	20
trans-1,2-Dichloroethene	0.596	0.572		-4.03	20
1,1-Dichloroethane	1.219	1.221	0.1	0.16	20
2-Butanone	0.543	0.583		7.37	20
Carbon Tetrachloride	0.544	0.510		-6.25	20
cis-1,2-Dichloroethene	0.718	0.727		1.25	20
Chloroform	1.271	1.299		2.2	20
1,1,1-Trichloroethane	1.101	1.079		-2	20
Methylcyclohexane	0.623	0.559		-10.27	20
Benzene	1.417	1.399		-1.27	20
1,2-Dichloroethane	0.612	0.634		3.6	20
Trichloroethene	0.341	0.328		-3.81	20
1,2-Dichloropropane	0.352	0.371		5.4	20
Bromodichloromethane	0.547	0.585		6.95	20
4-Methyl-2-Pentanone	0.605	0.671		10.91	20
Toluene	0.869	0.871		0.23	20
t-1,3-Dichloropropene	0.487	0.535		9.86	20
cis-1,3-Dichloropropene	0.538	0.583		8.36	20
1,1,2-Trichloroethane	0.343	0.367		7	20
2-Hexanone	0.448	0.501		11.83	20
Dibromochloromethane	0.376	0.418		11.17	20
Tetrachloroethene	0.354	0.326		-7.91	20
Chlorobenzene	1.094	1.065	0.3	-2.65	20
Ethyl Benzene	1.929	1.871		-3.01	20
m/p-Xylenes	0.706	0.693		-1.84	20
o-Xylene	0.688	0.686		-0.29	20
Styrene	1.127	1.188		5.41	20
Bromoform	0.281	0.301	0.1	7.12	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX046200.D**

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.: Q2050 SAS No.: Q2050 SDG No.: Q2050

Instrument ID: MSVOA_X Calibration Date/Time: 05/15/2025 09:52

Lab File ID: VX046200.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	3.674		-5.63	20
1,1,2,2-Tetrachloroethane	1.364	1.329	0.3	-2.57	20
1,3-Dichlorobenzene	1.649	1.630		-1.15	20
1,4-Dichlorobenzene	1.684	1.628		-3.33	20
1,2-Dichlorobenzene	1.655	1.656		0.06	20
1,2-Dichloroethane-d4	0.932	0.941		0.97	20
Dibromofluoromethane	0.360	0.366		1.67	20
Toluene-d8	1.246	1.215		-2.49	20
4-Bromofluorobenzene	0.478	0.492		2.93	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 00:58:01 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 :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	79845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	140483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75112	50.459	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.920%			
35) Dibromofluoromethane	5.379	113	51380	50.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	8.641	98	170717	48.757	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.520%			
62) 4-Bromofluorobenzene	11.079	95	69053	51.414	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	56833	46.505	ug/l	98
3) Chloromethane	1.307	50	57048	48.137	ug/l	99
4) Vinyl Chloride	1.374	62	48804	44.248	ug/l	99
5) Bromomethane	1.593	94	22954	44.869	ug/l	93
6) Chloroethane	1.666	64	28967	49.195	ug/l	98
7) Trichlorofluoromethane	1.874	101	76531	46.949	ug/l	96
8) Diethyl Ether	2.130	74	28515	51.386	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	46263	45.860	ug/l	98
10) Methyl Iodide	2.441	142	55957	46.879	ug/l	100
11) Tert butyl alcohol	2.977	59	52732	252.367	ug/l	100
12) 1,1-Dichloroethene	2.306	96	42457	44.844	ug/l	97
13) Acrolein	2.233	56	86478	363.413	ug/l	100
14) Allyl chloride	2.654	41	92771	51.271	ug/l	96
15) Acrylonitrile	3.062	53	159896	267.618	ug/l	98
16) Acetone	2.380	43	151558	253.932	ug/l	100
17) Carbon Disulfide	2.502	76	95435	42.518	ug/l	100
18) Methyl Acetate	2.703	43	79721	57.561	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	176719	53.240	ug/l	100
20) Methylene Chloride	2.782	84	54884	47.986	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	45649	47.945	ug/l	99
22) Diisopropyl ether	3.757	45	186066	53.235	ug/l	96
23) Vinyl Acetate	3.715	43	832901	270.938	ug/l	100
24) 1,1-Dichloroethane	3.605	63	97500	50.084	ug/l	98
25) 2-Butanone	4.550	43	232783	268.650	ug/l	100
26) 2,2-Dichloropropane	4.465	77	73154	48.010	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	58063	50.657	ug/l	99
28) Bromochloromethane	4.891	49	48182	51.418	ug/l	99
29) Tetrahydrofuran	4.995	42	146017	268.925	ug/l	99
30) Chloroform	5.086	83	103726	51.119	ug/l	96
31) Cyclohexane	5.458	56	78834	44.439	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	86131	48.968	ug/l	99
36) 1,1-Dichloropropene	5.684	75	63999	47.085	ug/l	99
37) Ethyl Acetate	4.708	43	86942	51.772	ug/l	99
38) Carbon Tetrachloride	5.666	117	71651	46.917	ug/l	99
39) Methylcyclohexane	7.373	83	78483	44.850	ug/l	99
40) Benzene	6.025	78	196502	49.356	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 00:58:01 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 :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	49819	56.711	ug/l		98
42) 1,2-Dichloroethane	6.080	62	89054	51.827	ug/l		99
43) Isopropyl Acetate	6.336	43	138141	53.921	ug/l		100
44) Trichloroethene	7.117	130	46123	48.134	ug/l		99
45) 1,2-Dichloropropane	7.421	63	52081	52.609	ug/l		100
46) Dibromomethane	7.574	93	40833	52.296	ug/l		99
47) Bromodichloromethane	7.818	83	82190	53.445	ug/l		96
48) Methyl methacrylate	7.690	41	71677	54.783	ug/l		100
49) 1,4-Dioxane	7.659	88	26335	1060.072	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	471283	277.135	ug/l		99
52) Toluene	8.714	92	122389	50.134	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	75119	54.955	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	81846	54.175	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	51510	53.511	ug/l		97
56) Ethyl methacrylate	9.110	69	86310	56.258	ug/l		99
57) 1,3-Dichloropropane	9.305	76	90587	52.400	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	213841	273.403	ug/l		99
59) 2-Hexanone	9.427	43	351840	279.654	ug/l		100
60) Dibromochloromethane	9.519	129	58754	55.578	ug/l		99
61) 1,2-Dibromoethane	9.604	107	53563	53.537	ug/l		97
64) Tetrachloroethene	9.269	164	41562	46.025	ug/l		98
65) Chlorobenzene	10.073	112	135968	48.673	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	48145	50.472	ug/l		100
67) Ethyl Benzene	10.189	91	238829	48.501	ug/l		99
68) m/p-Xylenes	10.299	106	176993	98.275	ug/l		97
69) o-Xylene	10.640	106	87589	49.886	ug/l		98
70) Styrene	10.653	104	151684	52.738	ug/l		99
71) Bromoform	10.799	173	38476	53.725	ug/l	#	96
73) Isopropylbenzene	10.957	105	230998	47.190	ug/l		100
74) N-amyl acetate	10.841	43	122108	50.481	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	83590	48.729	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	74157m	48.998	ug/l		
77) Bromobenzene	11.195	156	55464	48.804	ug/l		98
78) n-propylbenzene	11.299	91	269850	47.411	ug/l		99
79) 2-Chlorotoluene	11.360	91	171147	46.619	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	199182	48.706	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	22862	49.180	ug/l		98
82) 4-Chlorotoluene	11.451	91	199920	49.106	ug/l		99
83) tert-Butylbenzene	11.713	119	196965	47.815	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	204684	49.424	ug/l		99
85) sec-Butylbenzene	11.890	105	243197	48.084	ug/l		99
86) p-Isopropyltoluene	12.006	119	202544	48.515	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	102510	49.424	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	102366	48.327	ug/l		100
89) n-Butylbenzene	12.329	91	180561	49.306	ug/l		99
90) Hexachloroethane	12.536	117	35781	48.648	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	104120	50.026	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20011	52.658	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	60954	50.990	ug/l		97
94) Hexachlorobutadiene	13.719	225	24369	46.676	ug/l		98
95) Naphthalene	13.774	128	219899	50.155	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	63516	51.494	ug/l		97

Sample Results: **VX046200.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 00:58:01 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 :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

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\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 00:58:01 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 :Semsettin Yesilyurt 05/16/2025
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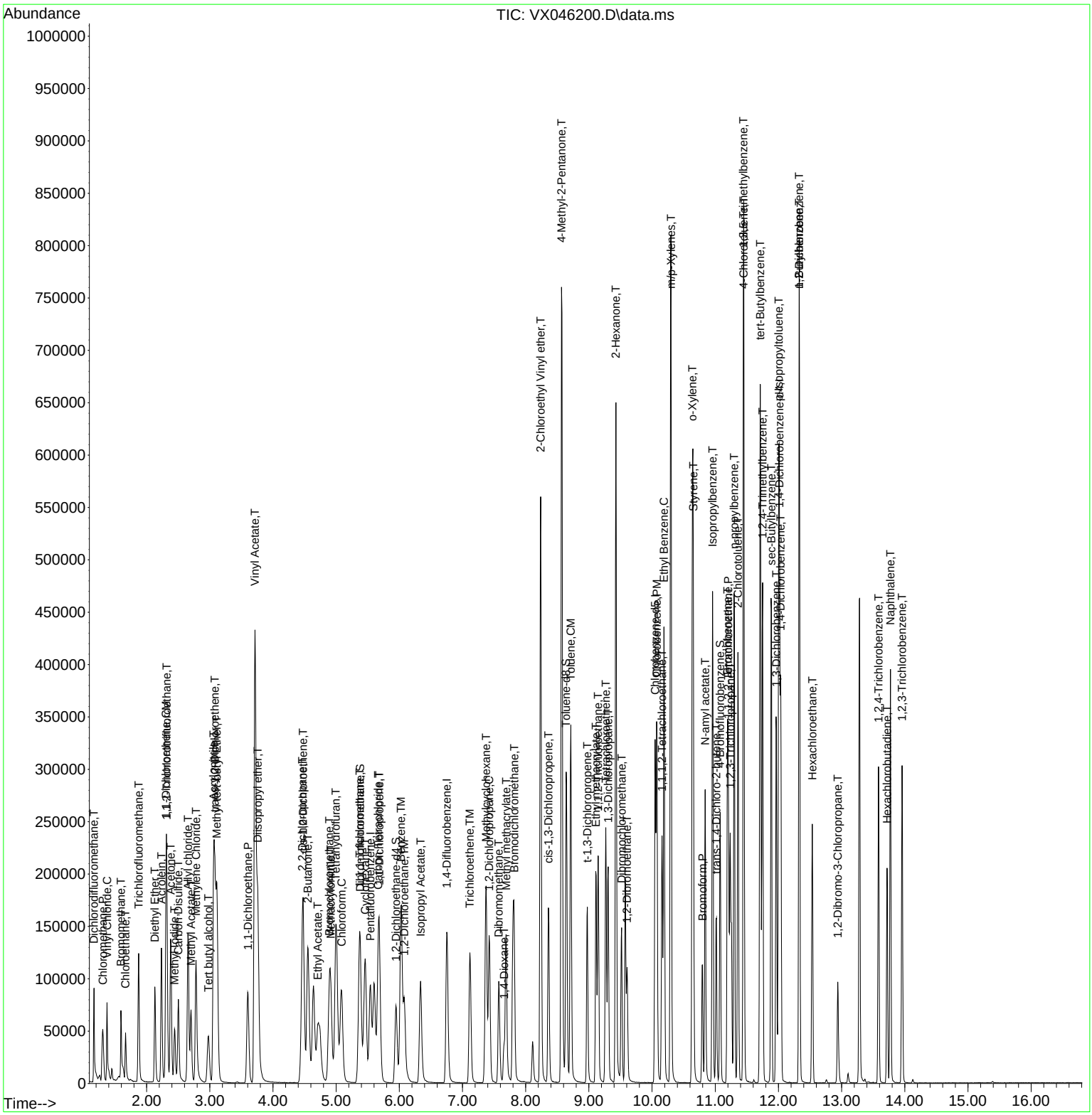
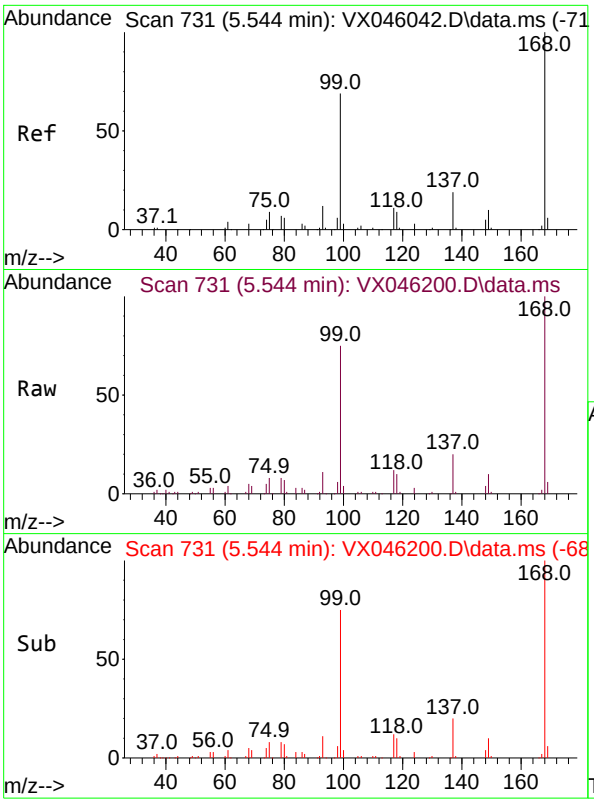
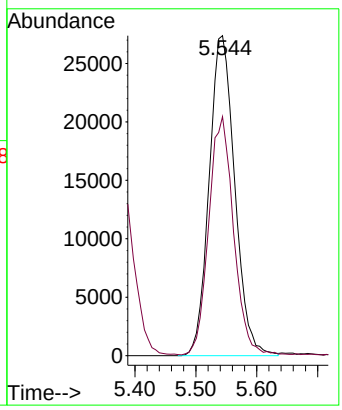




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:168 Resp: 7984

Ion	Ratio	Lower	Upper
168	100		
99	74.3	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/16/2025
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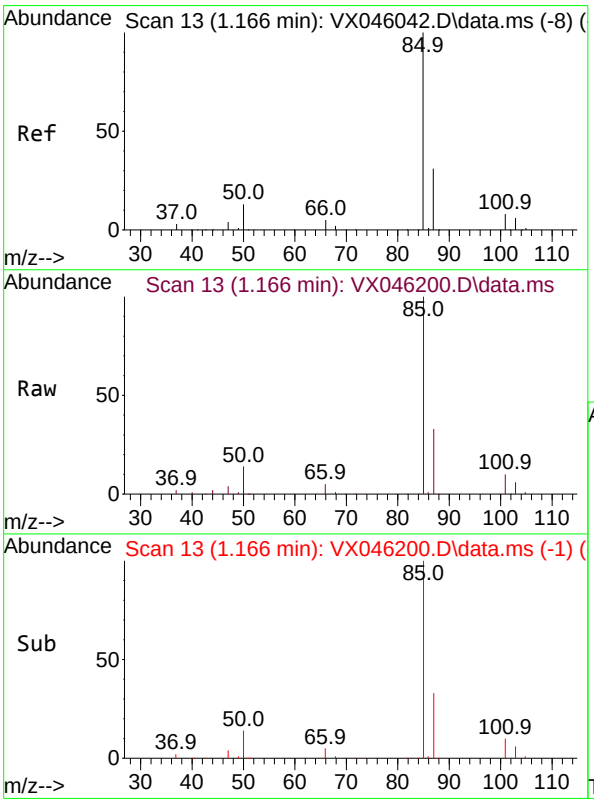
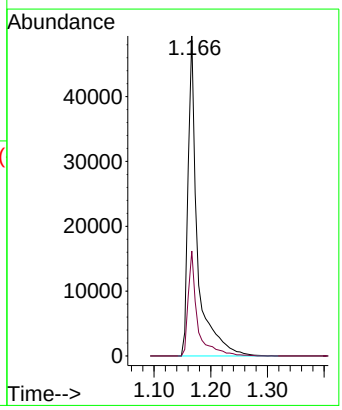
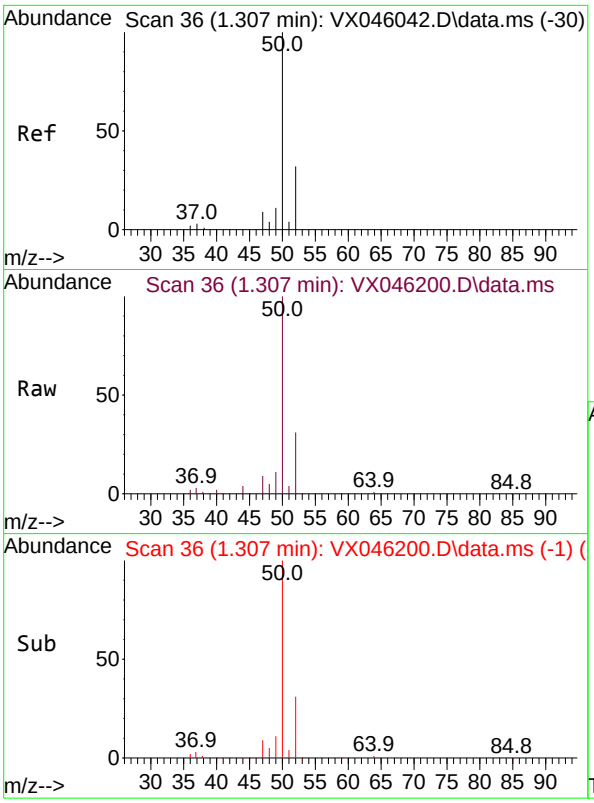


#2
Dichlorodifluoromethane
Concen: 46.505 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 85 Resp: 56833

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.7	47.1

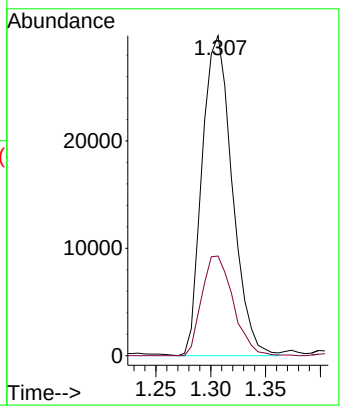




#3
Chloromethane
Concen: 48.137 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 50 Resp: 5704

Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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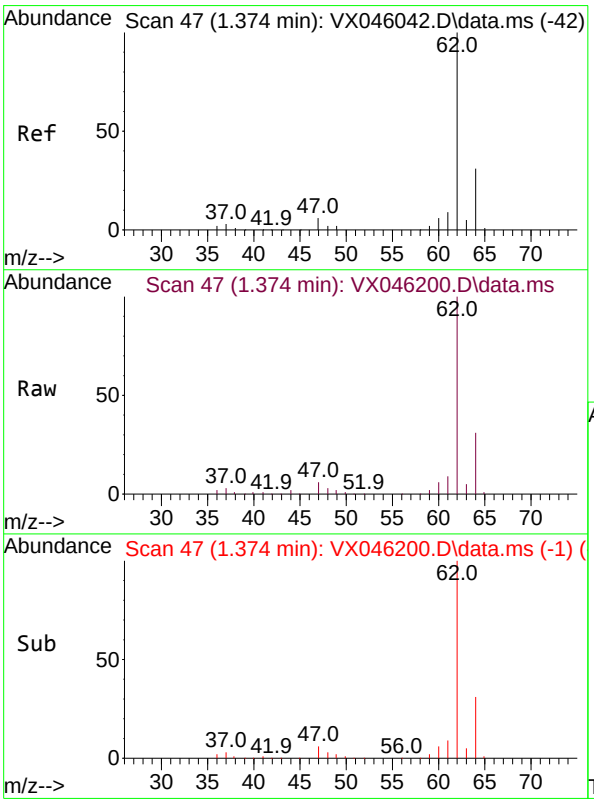
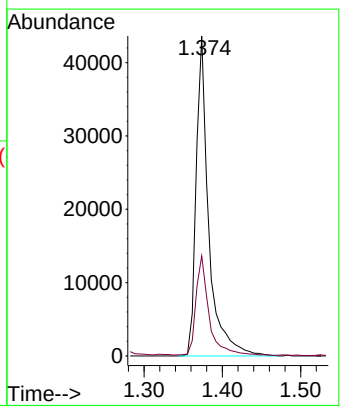
Supervised By :Mahesh Dadoda 05/16/2025

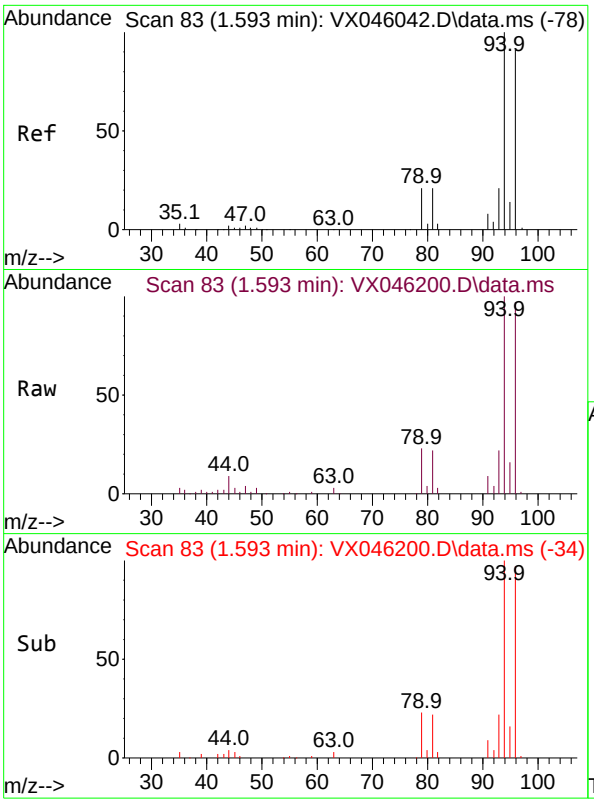


#4
Vinyl Chloride
Concen: 44.248 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 62 Resp: 48804

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.2	37.8

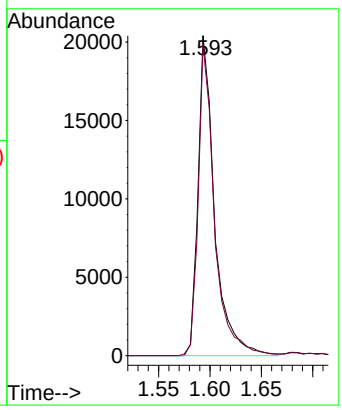




#5
Bromomethane
Concen: 44.869 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 94 Resp: 2295

Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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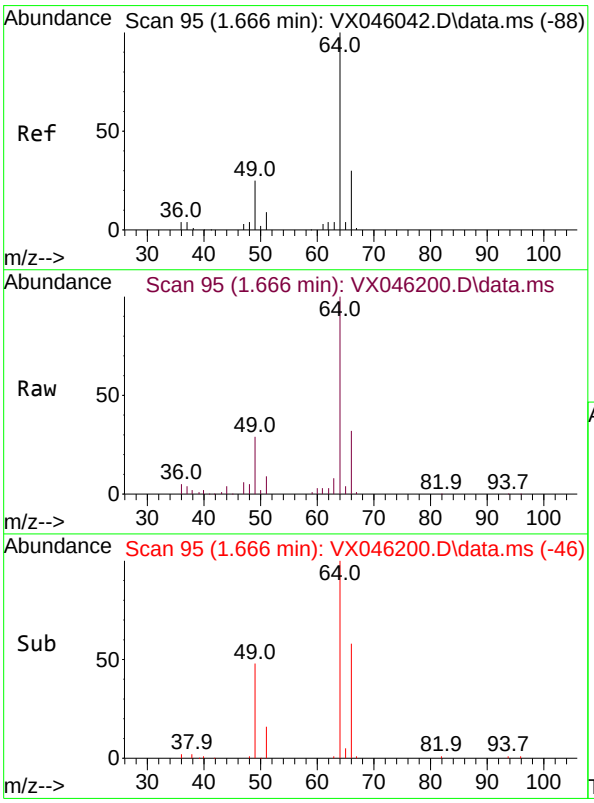
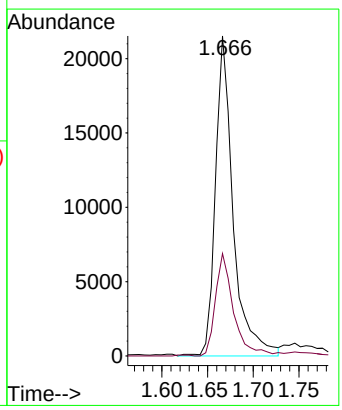
Supervised By :Mahesh Dadoda 05/16/2025

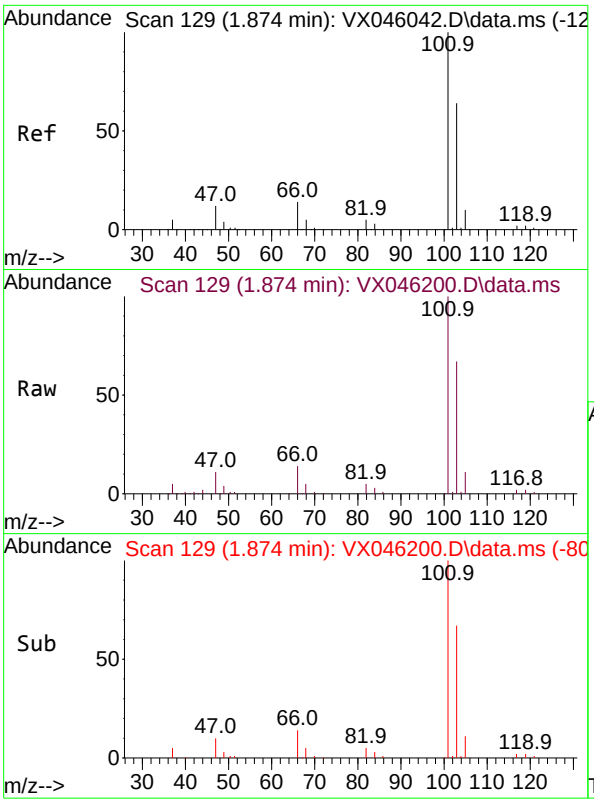


#6
Chloroethane
Concen: 49.195 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 64 Resp: 28967

Ion	Ratio	Lower	Upper
64	100		
66	31.7	24.3	36.5





#7
Trichlorofluoromethane
Concen: 46.949 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:101 Resp: 7653

Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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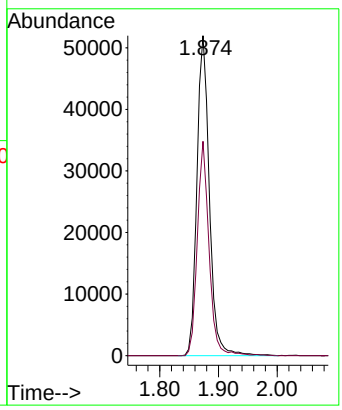
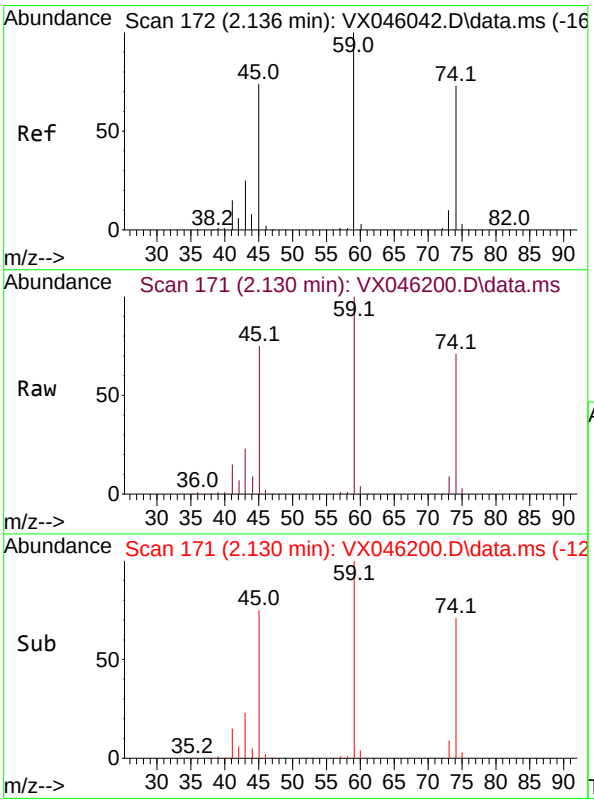
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

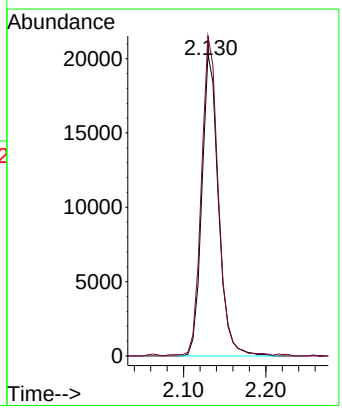


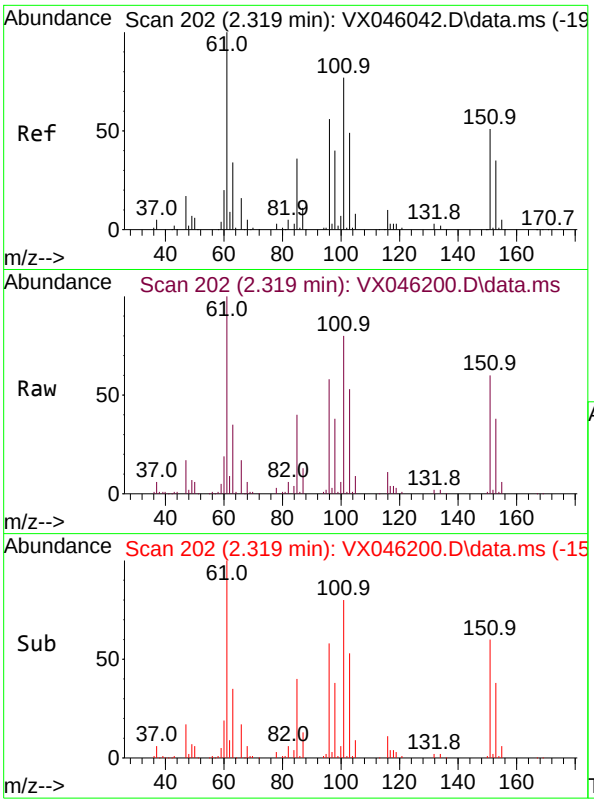


#8
Diethyl Ether
Concen: 51.386 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 74 Resp: 28515

Ion	Ratio	Lower	Upper
74	100		
45	108.6	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.860 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:101 Resp: 4626

Ion	Ratio	Lower	Upper
101	100		
85	48.2	38.6	58.0
151	71.7	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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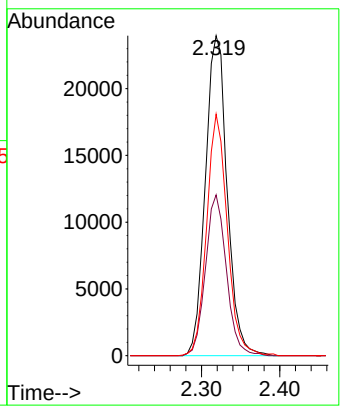
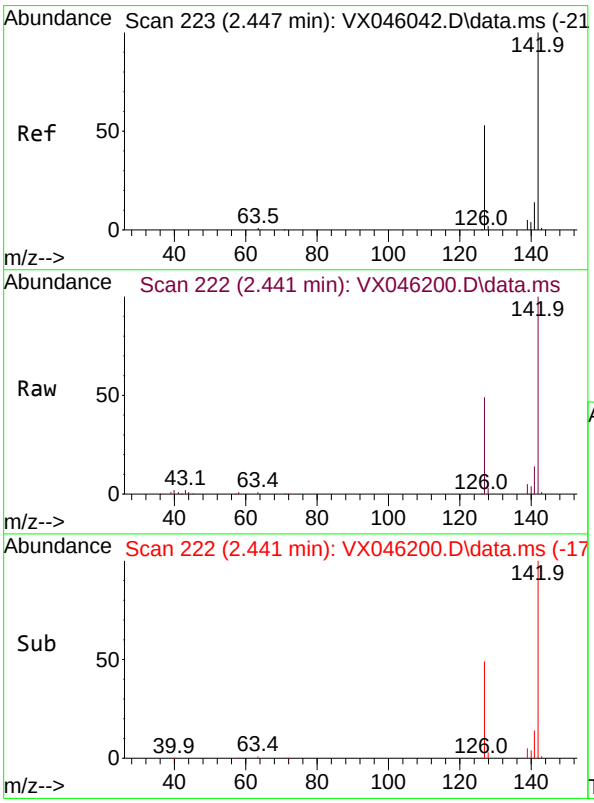
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

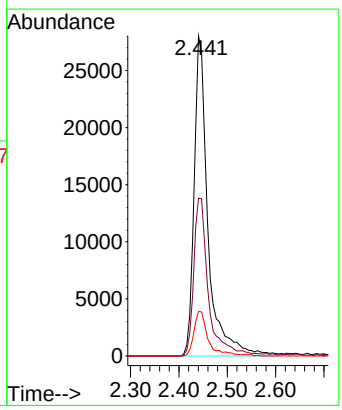


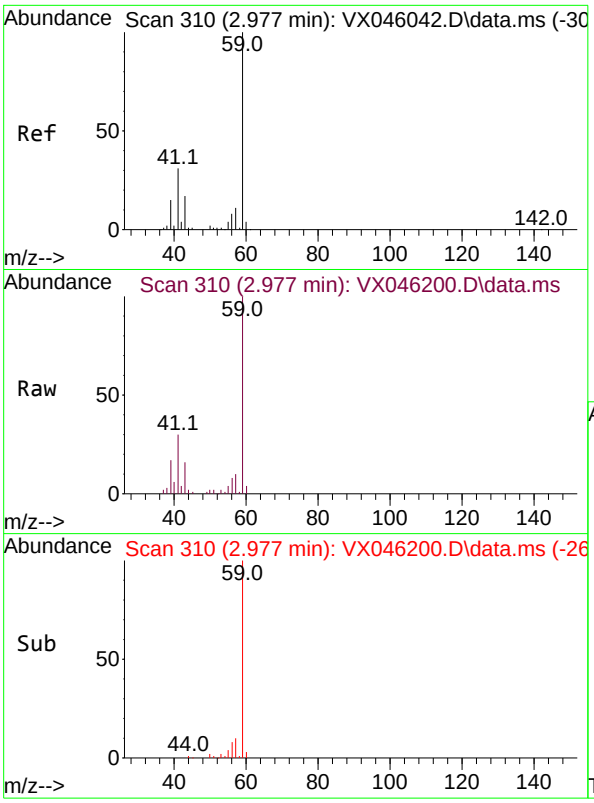


#10
Methyl Iodide
Concen: 46.879 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:142 Resp: 55957

Ion	Ratio	Lower	Upper
142	100		
127	51.9	41.7	62.5
141	14.1	11.5	17.3





#11
Tert butyl alcohol
Concen: 252.367 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 59 Resp: 5273

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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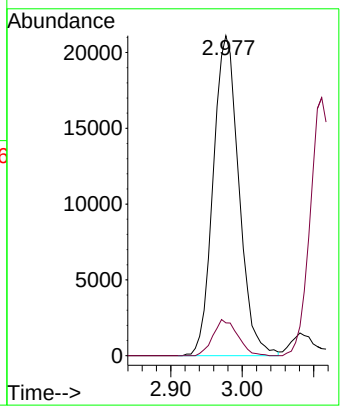
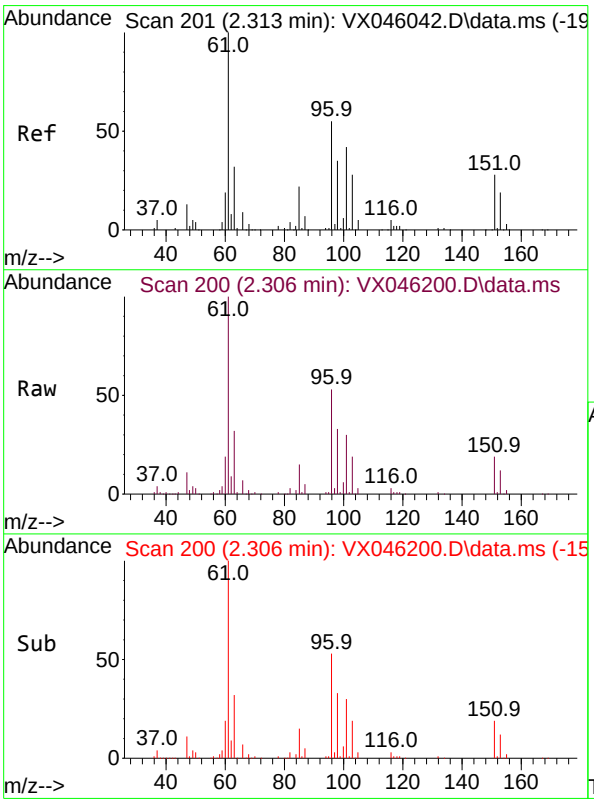
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

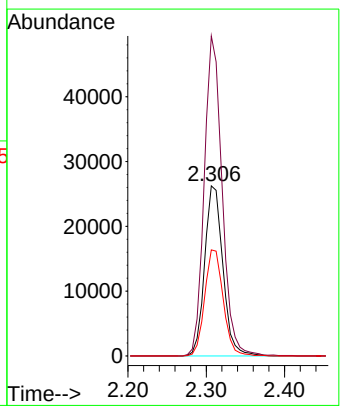


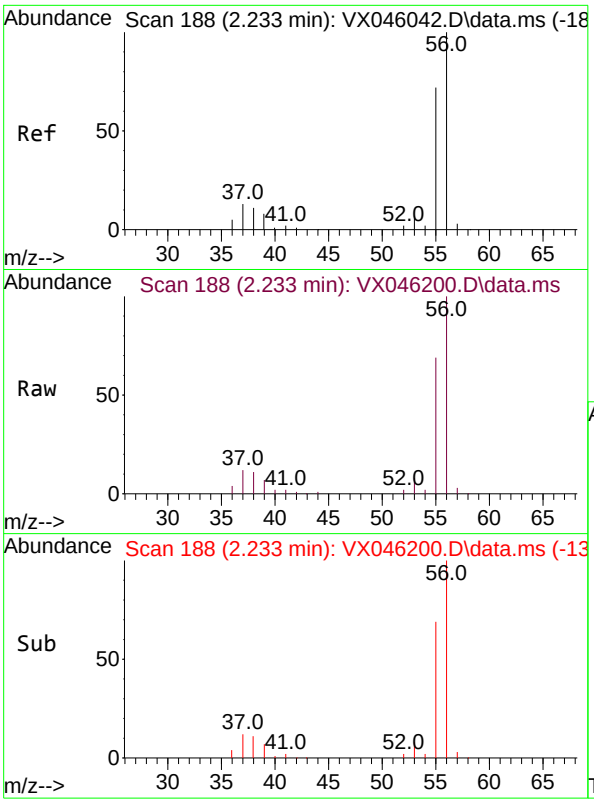


#12
1,1-Dichloroethene
Concen: 44.844 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 96 Resp: 42457

Ion	Ratio	Lower	Upper
96	100		
61	188.1	146.2	219.2
98	62.4	51.0	76.6

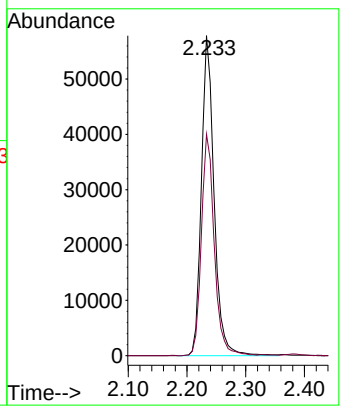




#13
Acrolein
Concen: 363.413 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 56 Resp: 8647

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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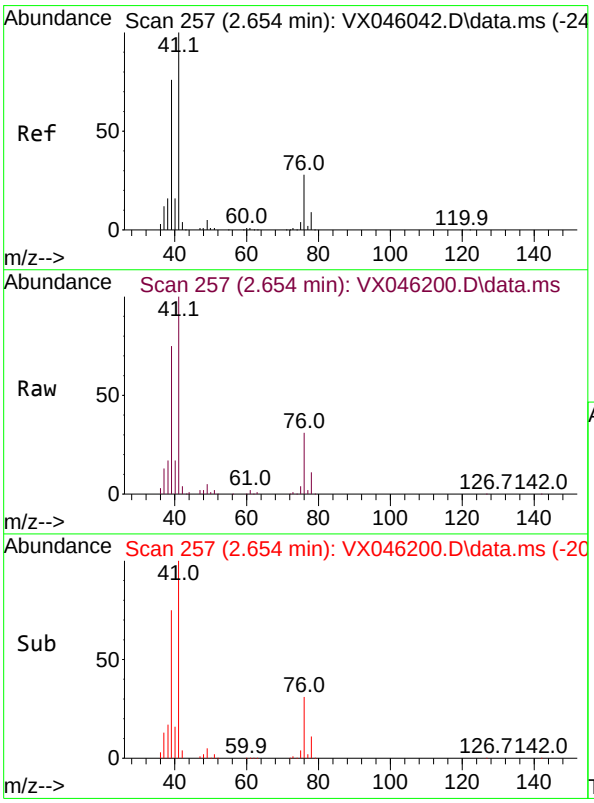
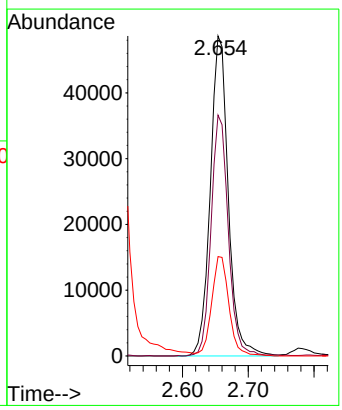
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

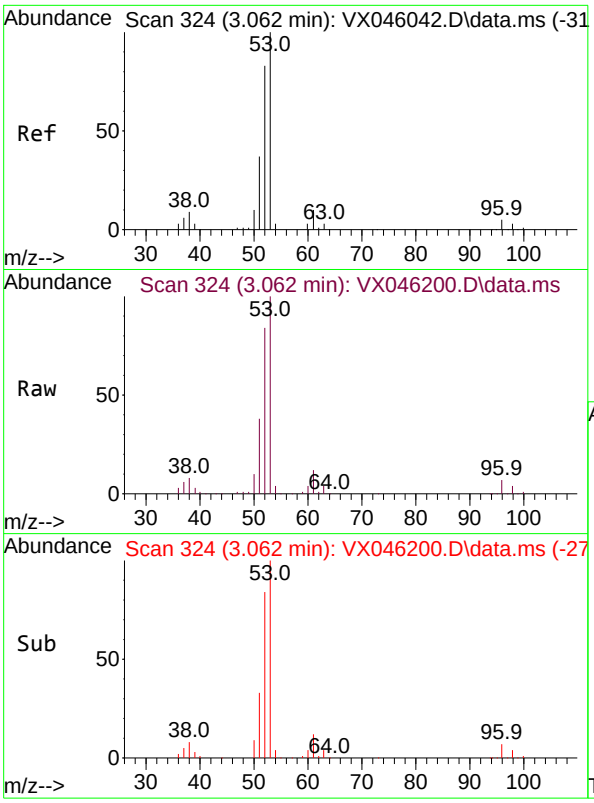


#14
Allyl chloride
Concen: 51.271 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 41 Resp: 92771

Ion	Ratio	Lower	Upper
41	100		
39	72.2	60.6	90.8
76	29.9	24.9	37.3

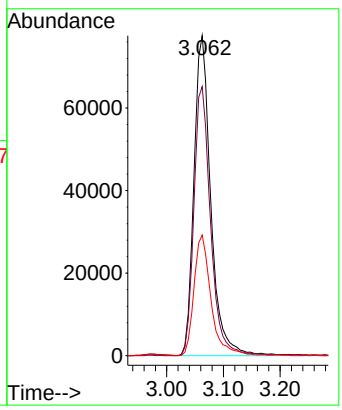




#15
Acrylonitrile
Concen: 267.618 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 53 Resp: 15989

Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.3	97.9
51	38.3	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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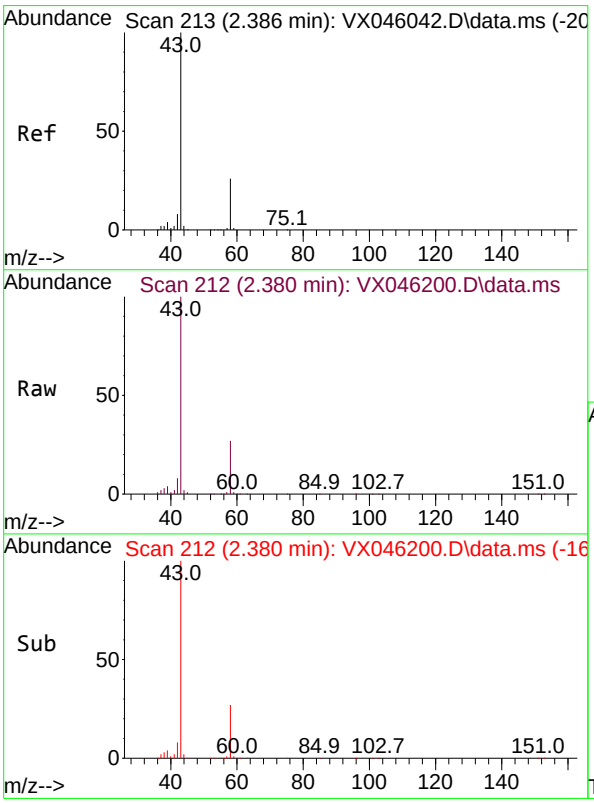
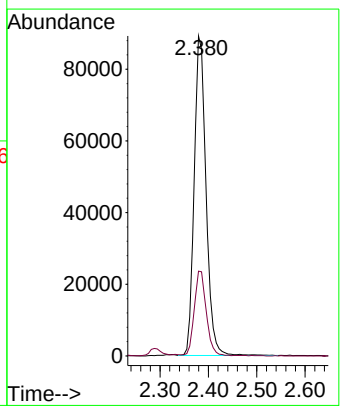
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

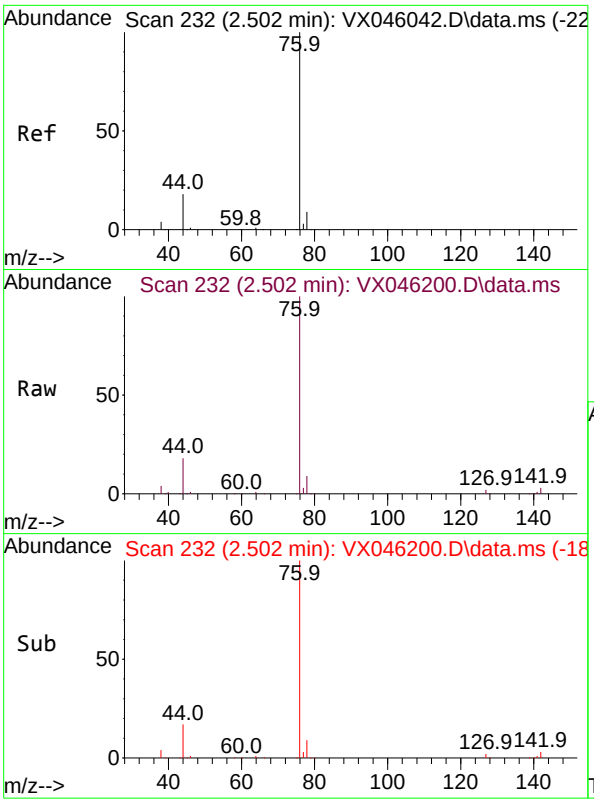


#16
Acetone
Concen: 253.932 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 151558

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





#17
Carbon Disulfide
Concen: 42.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 76 Resp: 9543

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
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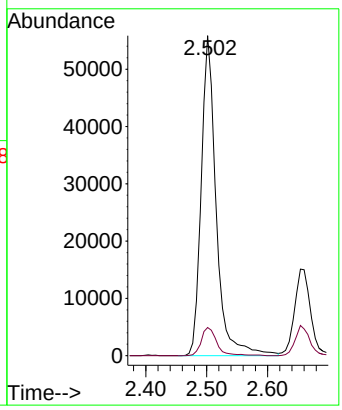
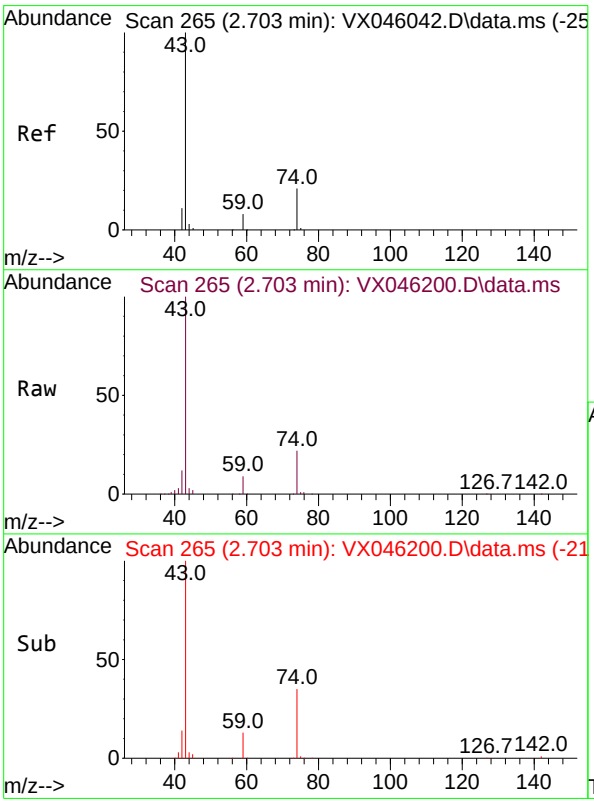
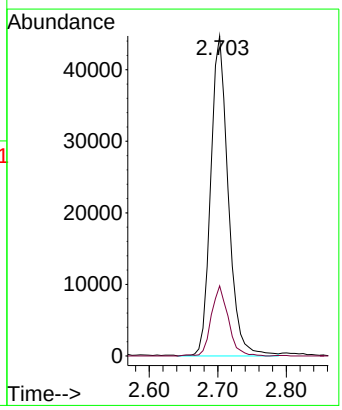


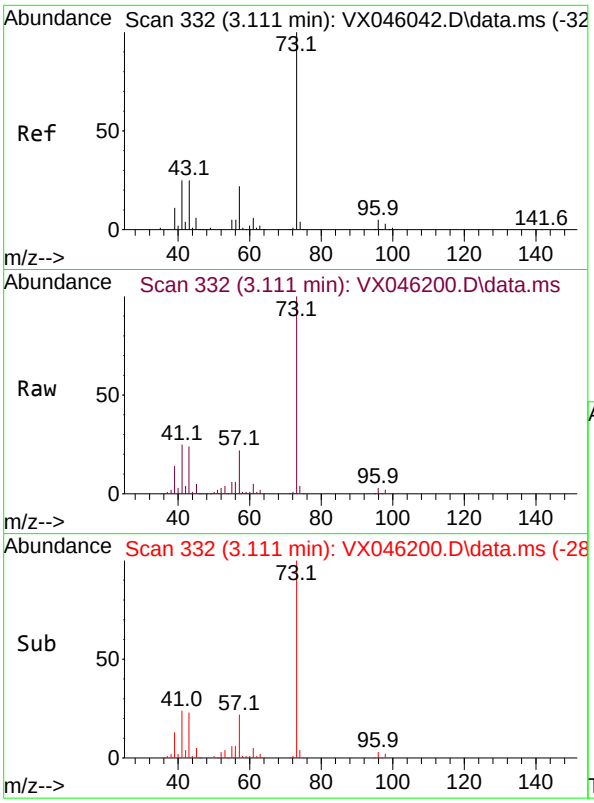


#18
Methyl Acetate
Concen: 57.561 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 79721

Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.7	25.1

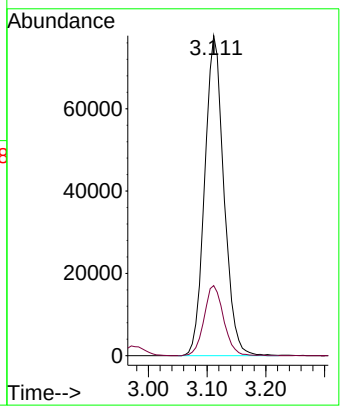




#19
Methyl tert-butyl Ether
Concen: 53.240 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 73 Resp: 17671

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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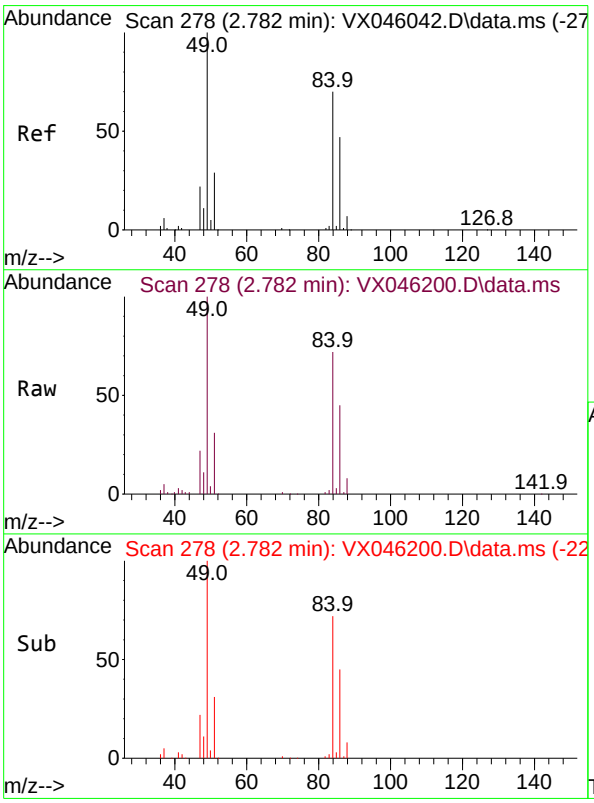
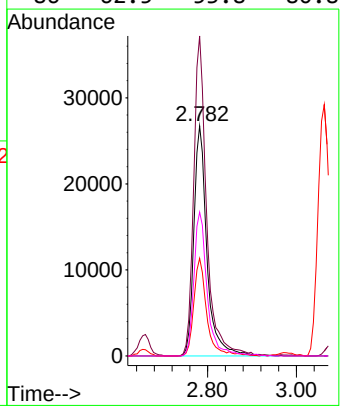
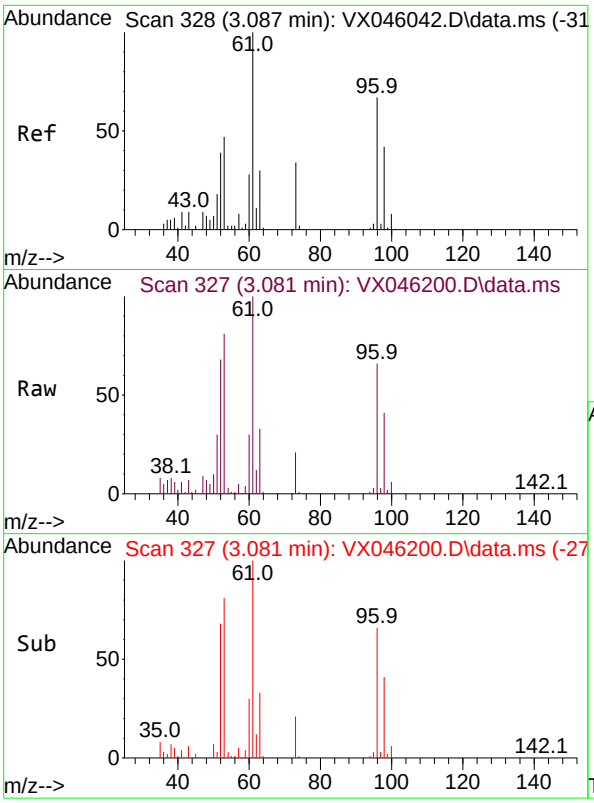


#20
Methylene Chloride
Concen: 47.986 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 84 Resp: 54884

Ion	Ratio	Lower	Upper
84	100		
49	139.1	113.9	170.9
51	42.5	33.5	50.3
86	62.5	53.8	80.8

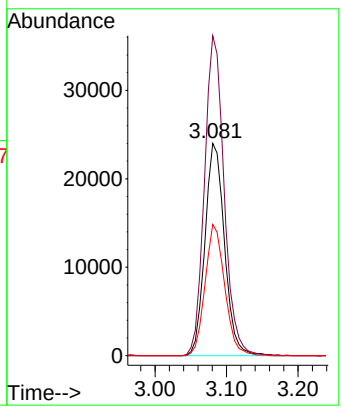




#21
trans-1,2-Dichloroethene
Concen: 47.945 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 96 Resp: 4564

Ion	Ratio	Lower	Upper
96	100		
61	150.7	119.5	179.3
98	61.7	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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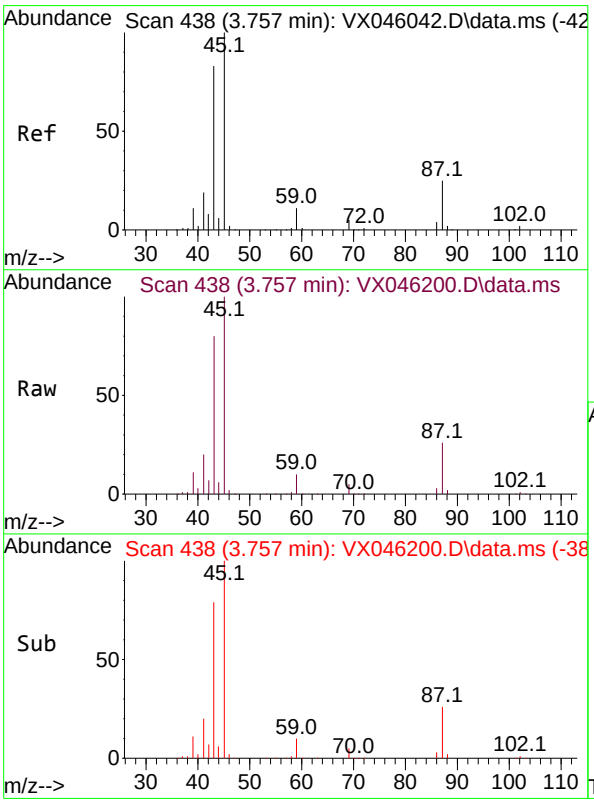
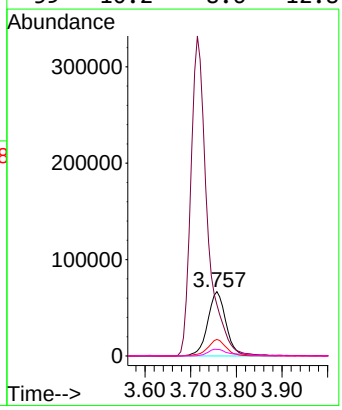
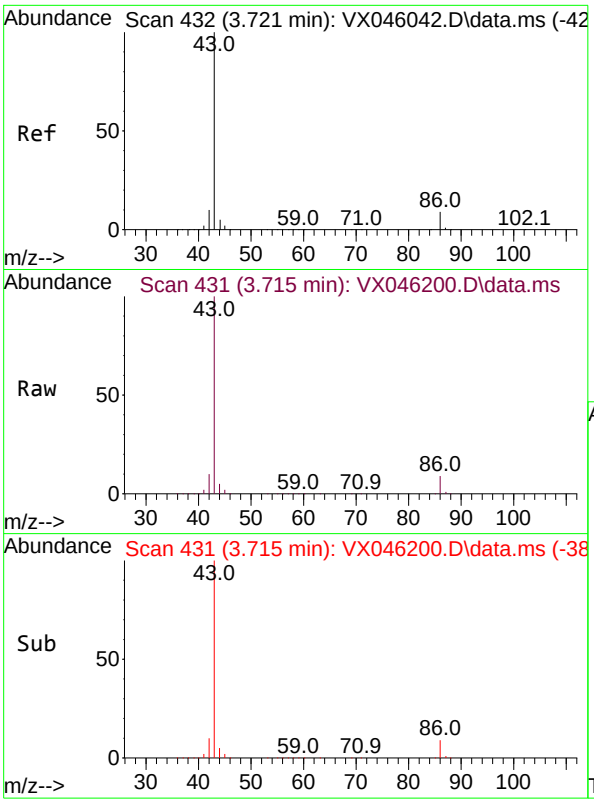


#22
Diisopropyl ether
Concen: 53.235 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 45 Resp: 186066

Ion	Ratio	Lower	Upper
45	100		
43	78.6	66.6	100.0
87	25.6	19.8	29.6
59	10.2	8.6	12.8





#23
Vinyl Acetate
Concen: 270.938 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 83290

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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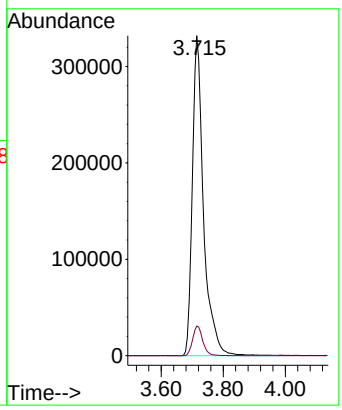
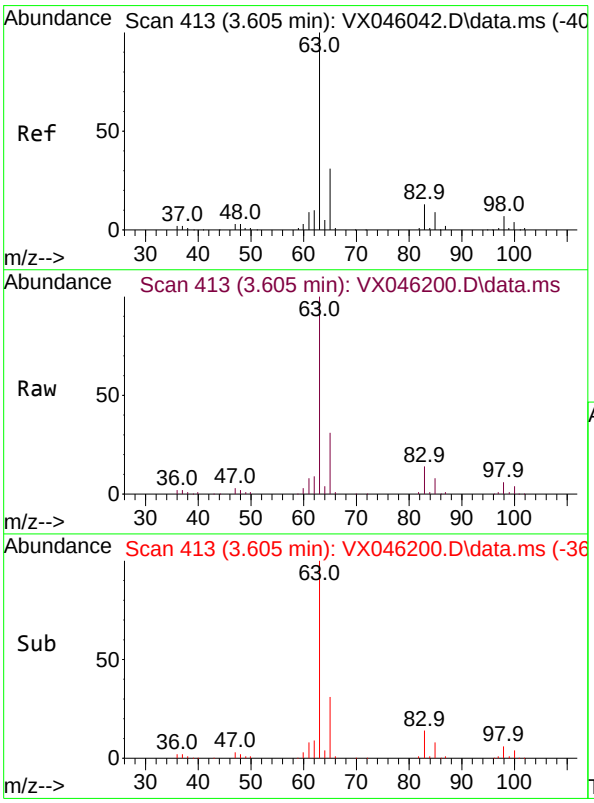
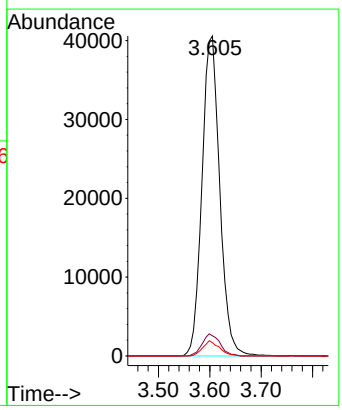


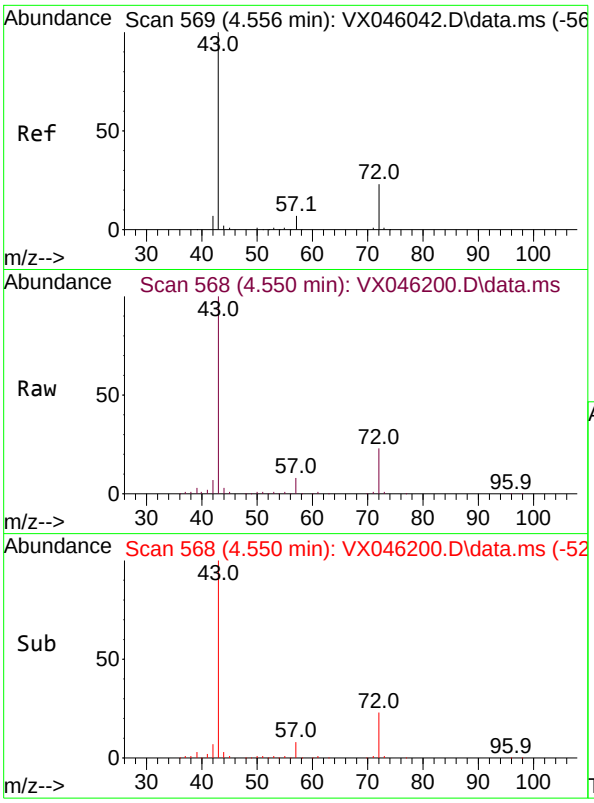


#24
1,1-Dichloroethane
Concen: 50.084 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 63 Resp: 97500

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





#25
2-Butanone
Concen: 268.650 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 23278

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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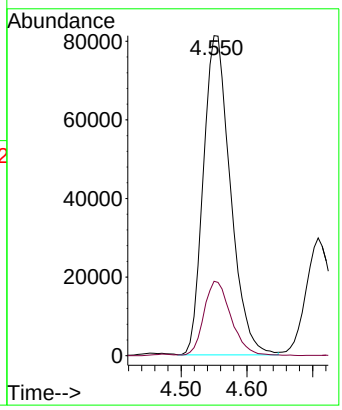
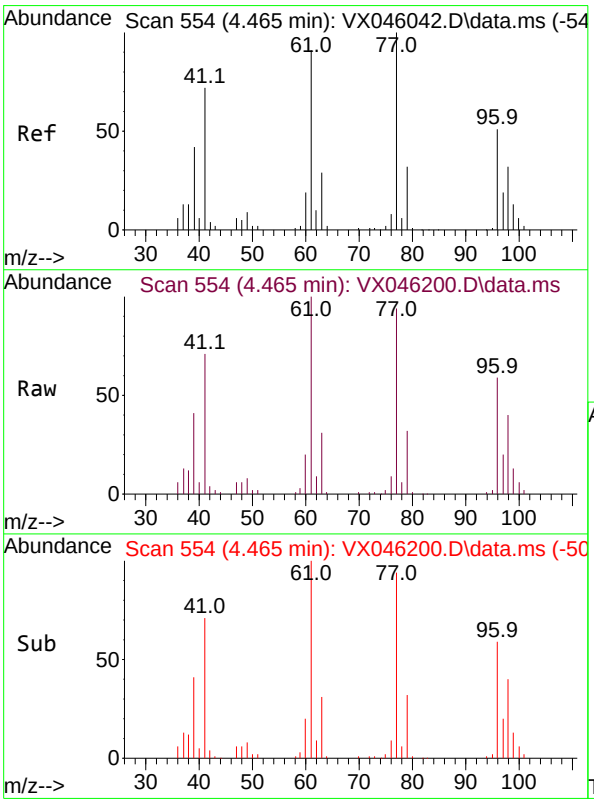
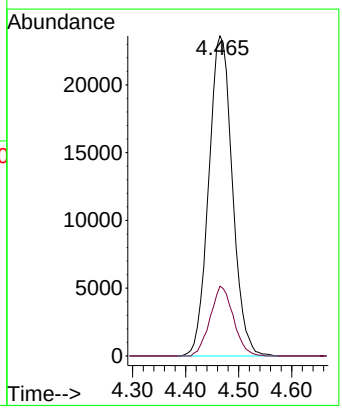


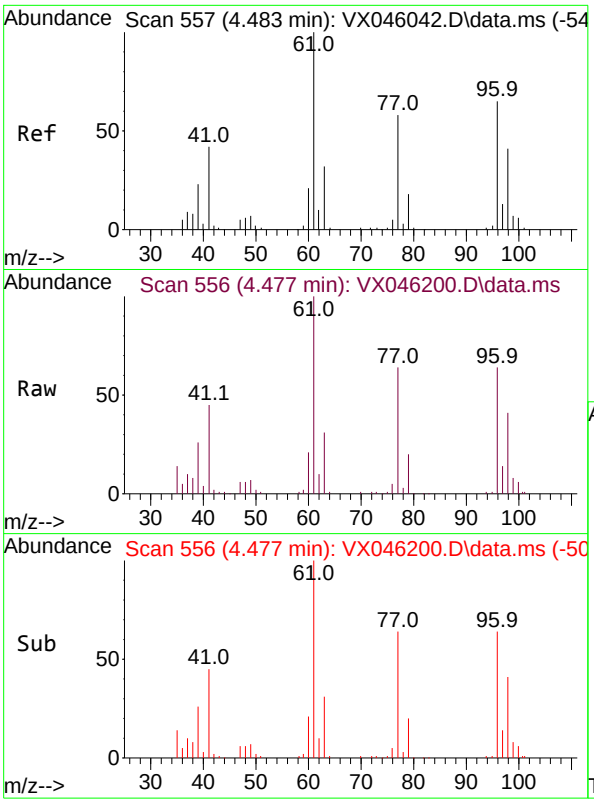


#26
2,2-Dichloropropane
Concen: 48.010 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 77 Resp: 73154

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 50.657 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 96 Resp: 5806

Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	322.8
98	64.8	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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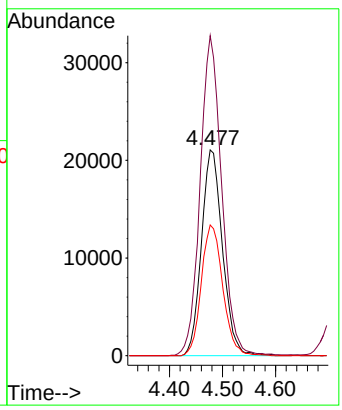
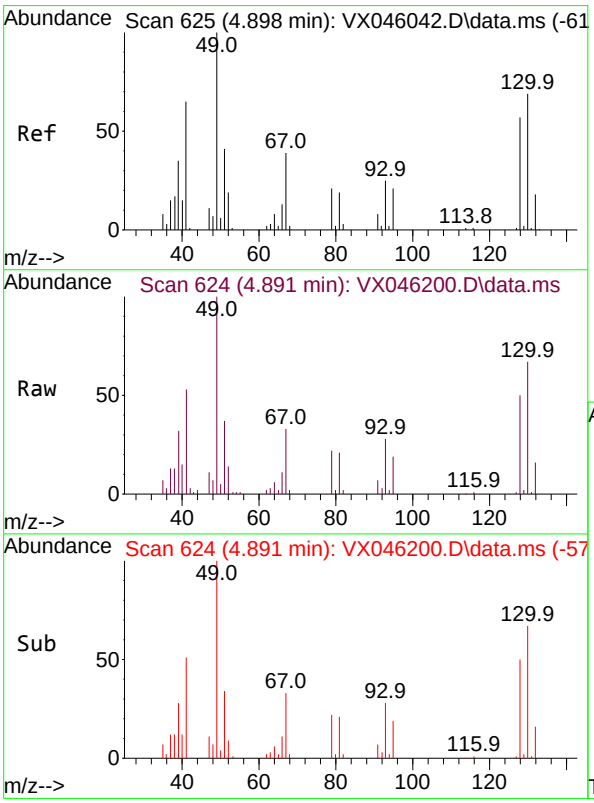
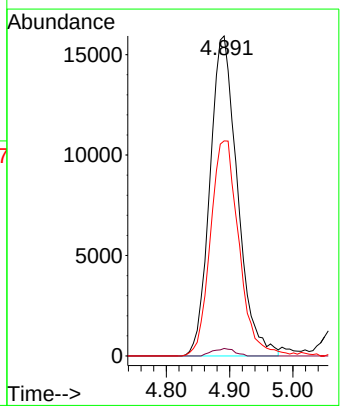


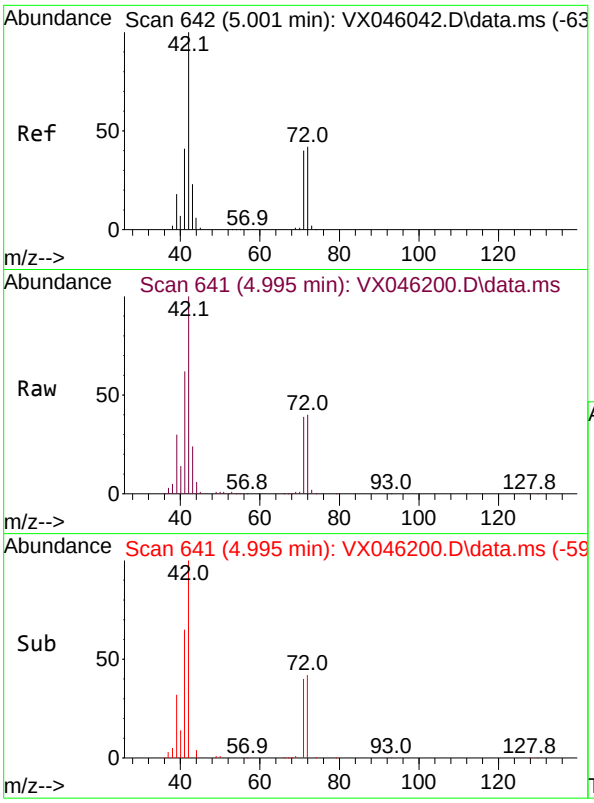


#28
Bromochloromethane
Concen: 51.418 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 49 Resp: 48182

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	69.5	56.2	84.2





#29
Tetrahydrofuran
Concen: 268.925 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 42 Resp: 14601

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	38.3	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
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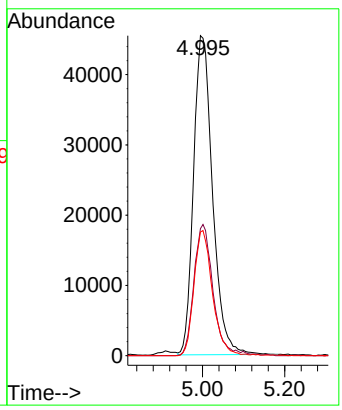
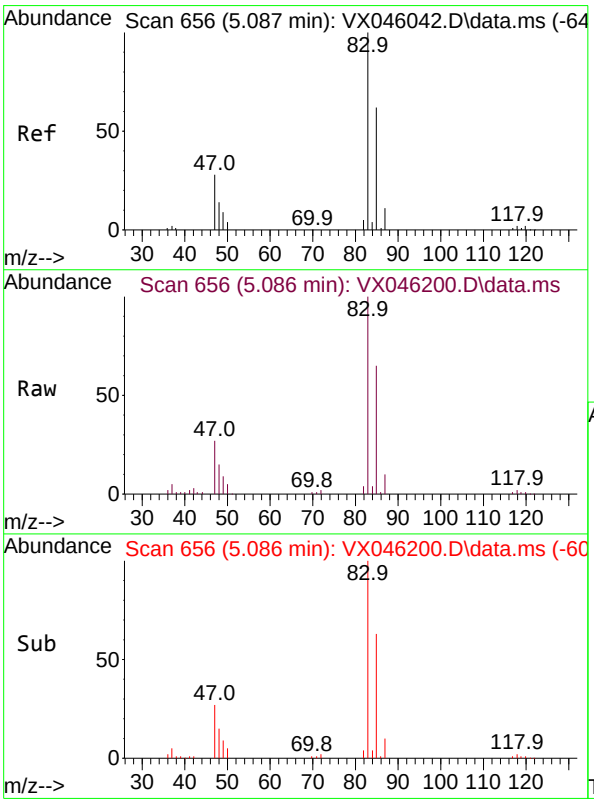
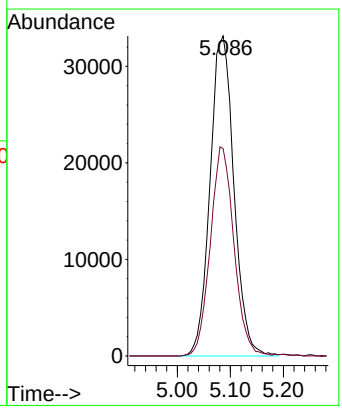


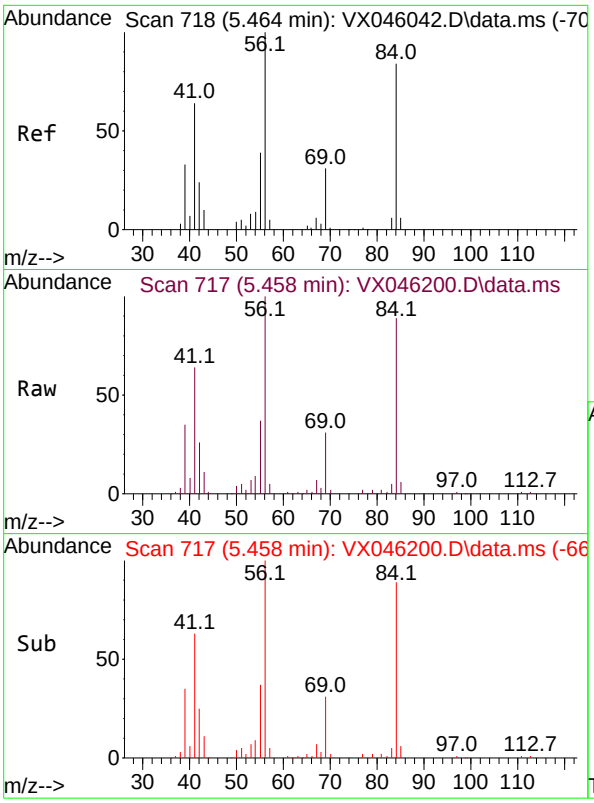


#30
Chloroform
Concen: 51.119 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 83 Resp: 103726

Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.3	73.9

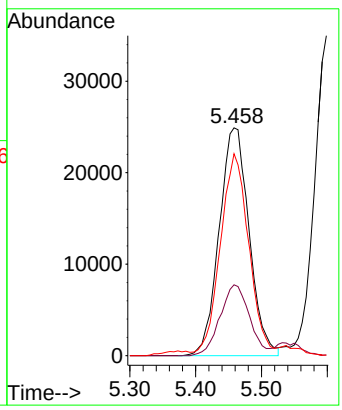




#31
Cyclohexane
Concen: 44.439 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 56 Resp: 7883

Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	86.5	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
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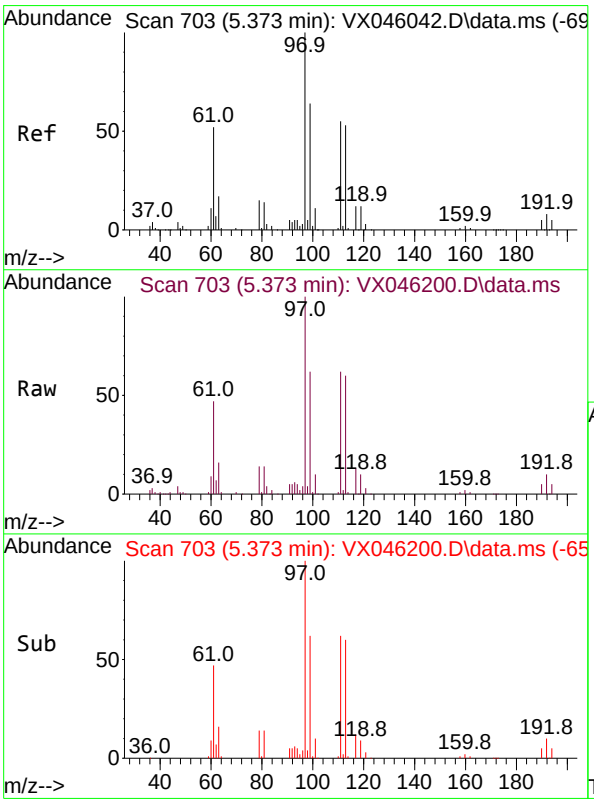
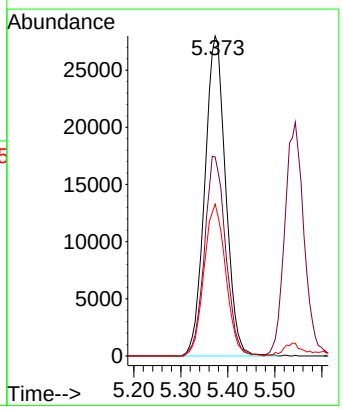
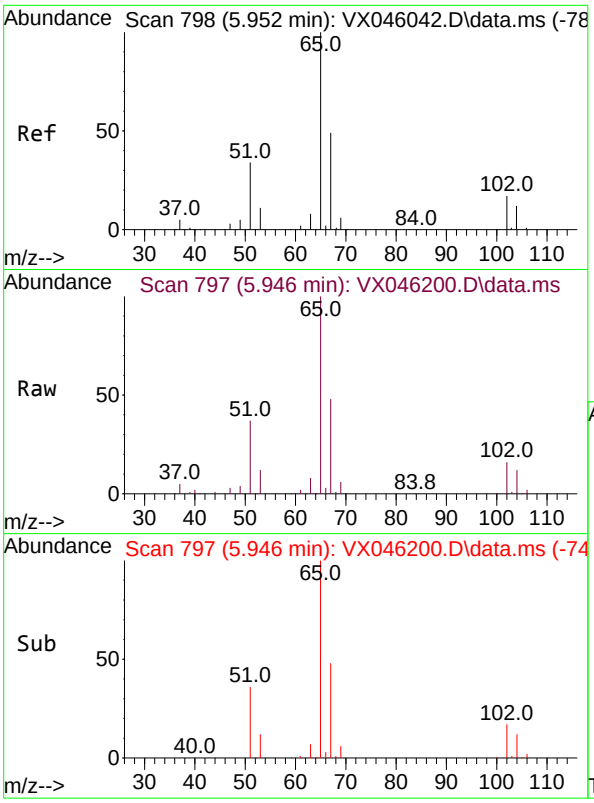


#32
1,1,1-Trichloroethane
Concen: 48.968 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 97 Resp: 86131

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	49.5	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 50.459 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 65 Resp: 7511

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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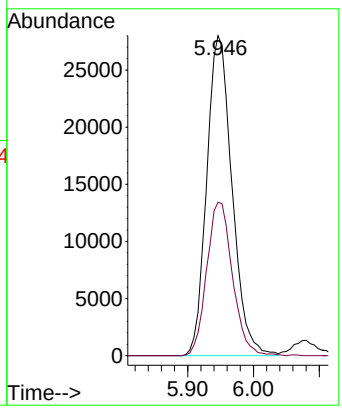
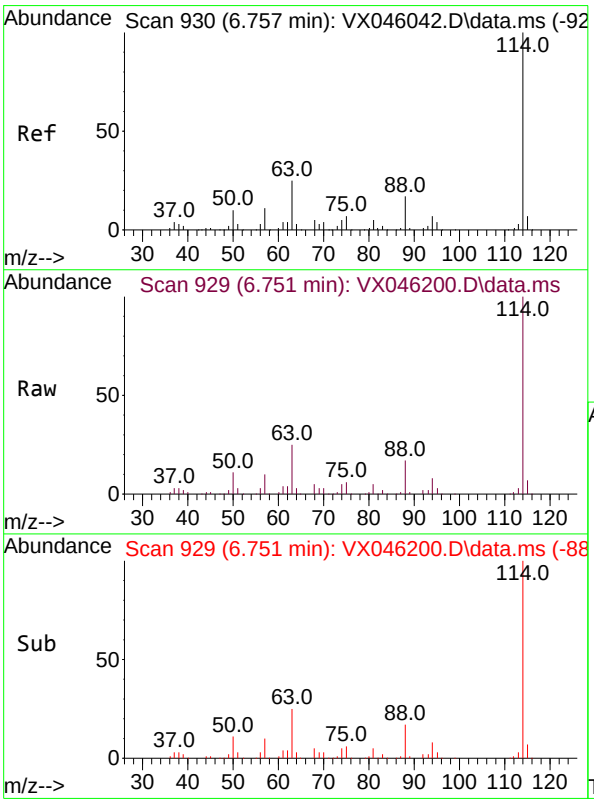
Supervised By :Mahesh Dadoda 05/16/2025

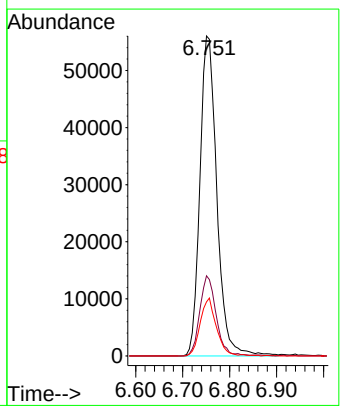


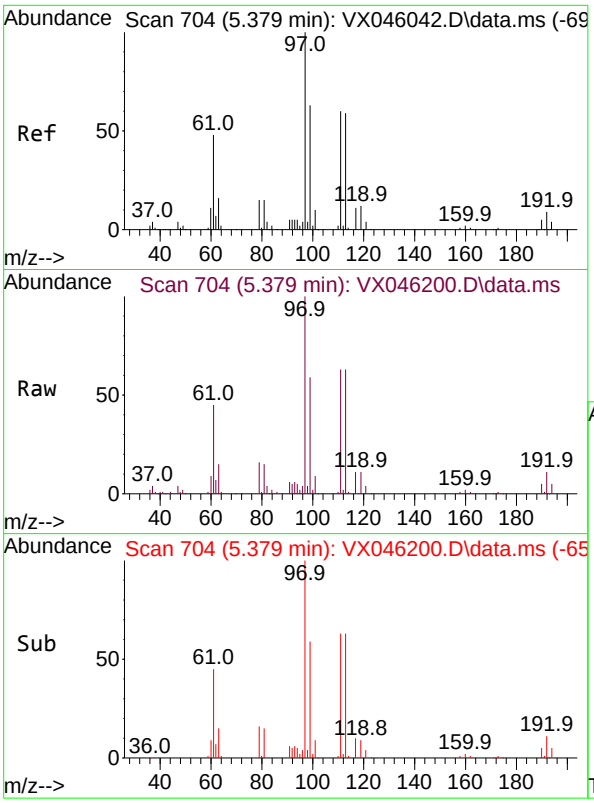


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:114 Resp: 140483

Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.2
88	16.9	0.0	33.6

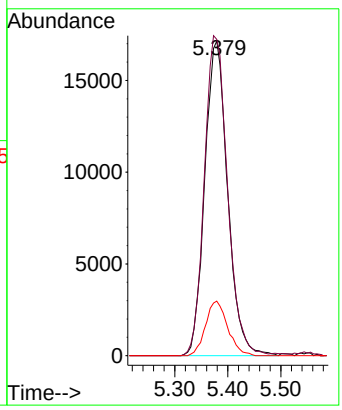




#35
Dibromofluoromethane
Concen: 50.790 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:113 Resp: 5138

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	16.8	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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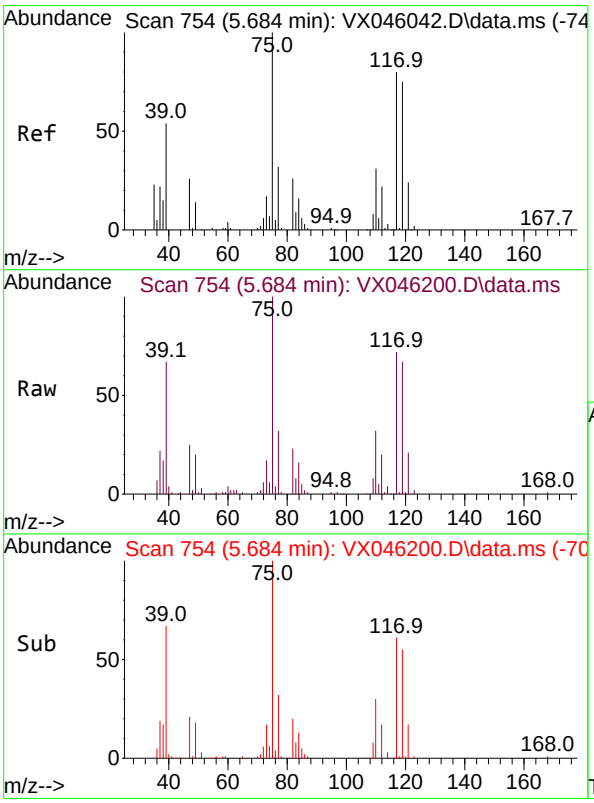
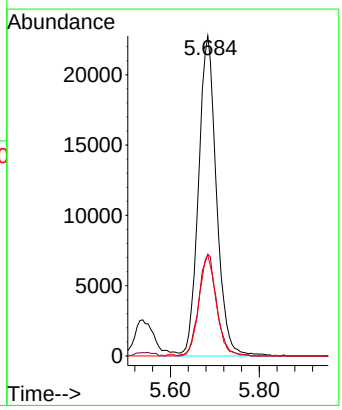
Supervised By :Mahesh Dadoda 05/16/2025

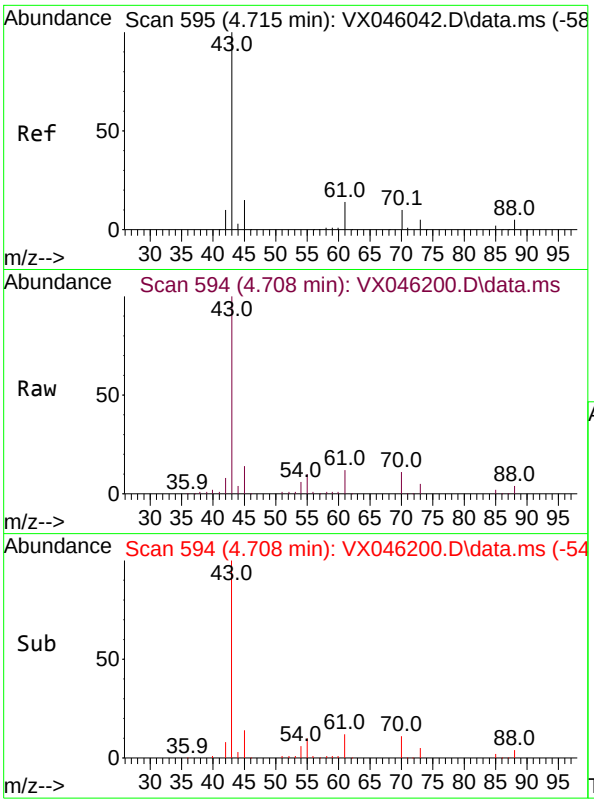


#36
1,1-Dichloropropene
Concen: 47.085 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 63999

Ion	Ratio	Lower	Upper
75	100		
110	31.5	16.3	48.9
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 51.772 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 8694

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.2	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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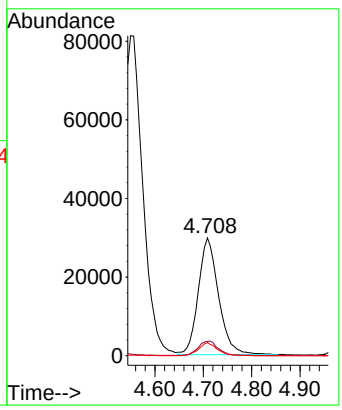
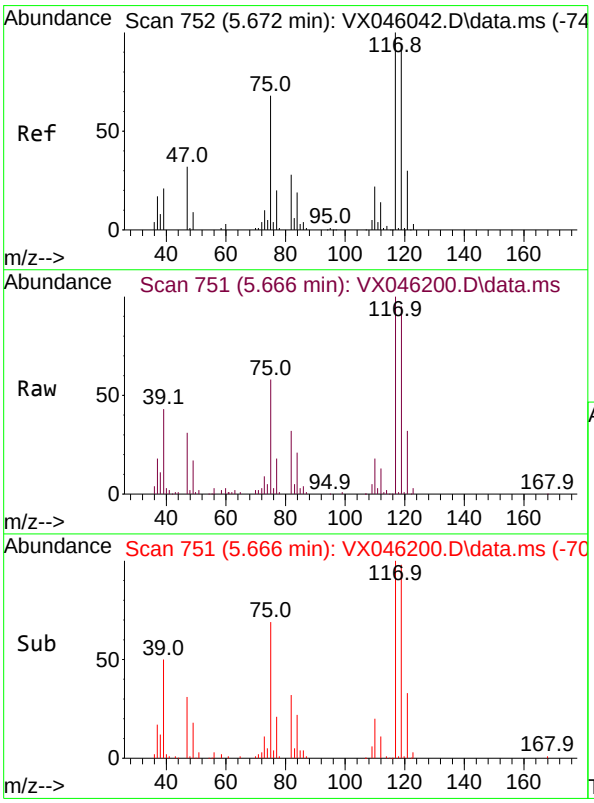
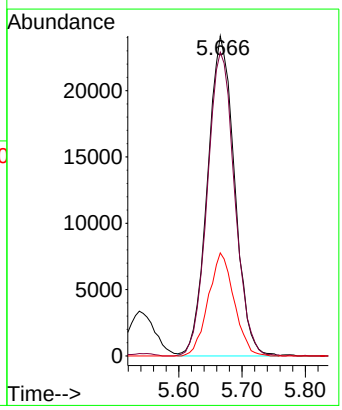


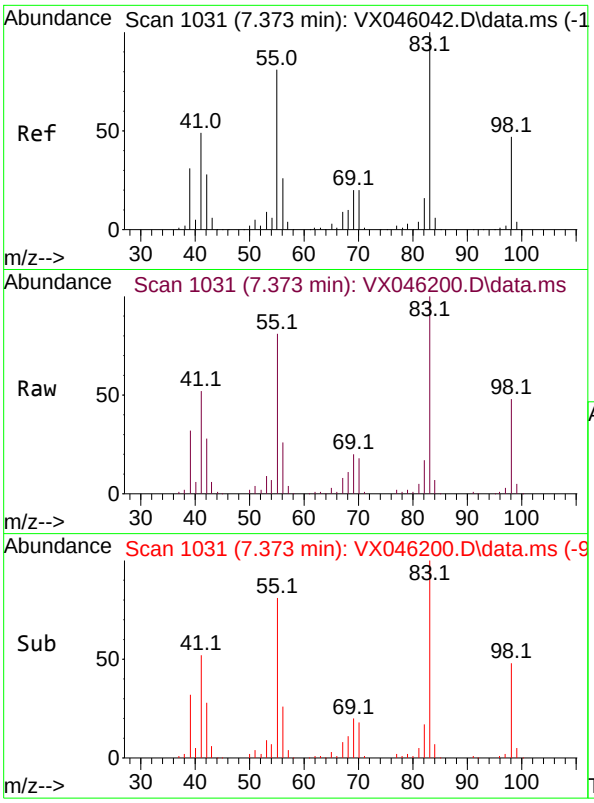


#38
Carbon Tetrachloride
Concen: 46.917 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:117 Resp: 71651

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.2	112.8
121	32.2	24.2	36.4





#39
Methylcyclohexane
Concen: 44.850 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 83 Resp: 7848

Ion	Ratio	Lower	Upper
83	100		
55	81.3	64.7	97.1
98	47.7	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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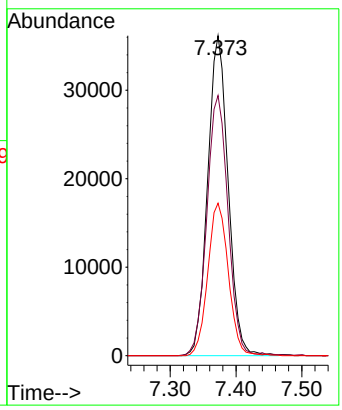
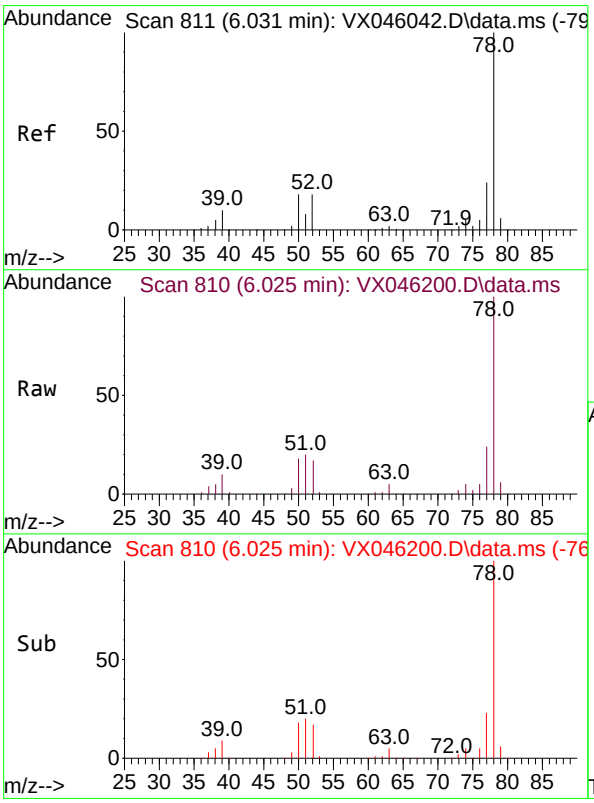
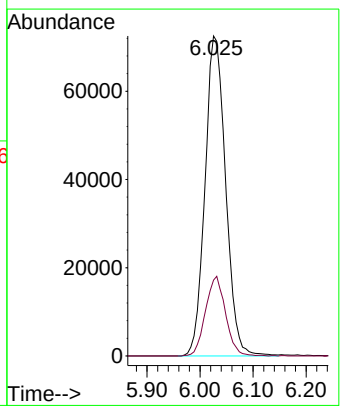


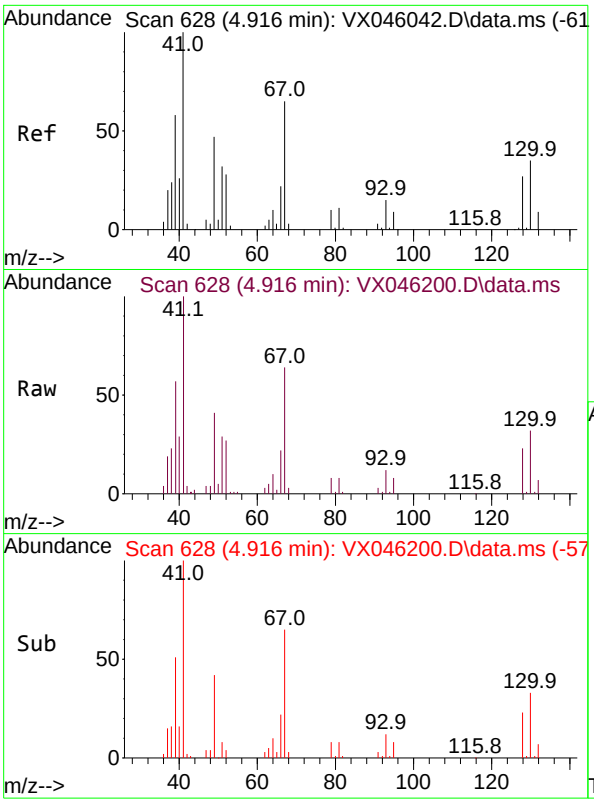


#40
Benzene
Concen: 49.356 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 78 Resp: 196502

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

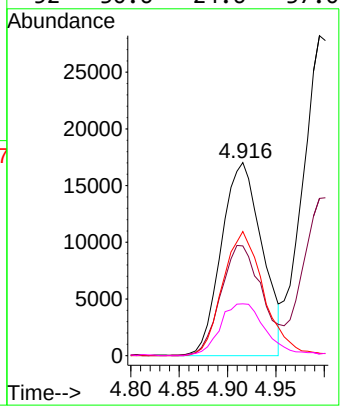




#41
Methacrylonitrile
Concen: 56.711 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 41 Resp: 4981

Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.2	70.8
67	65.8	50.7	76.1
52	30.6	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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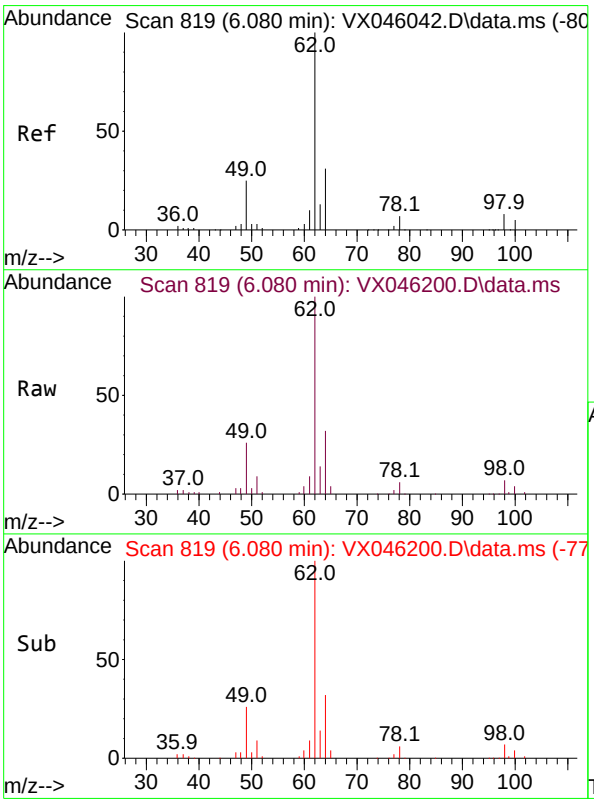
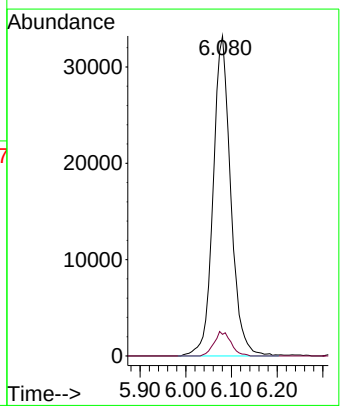
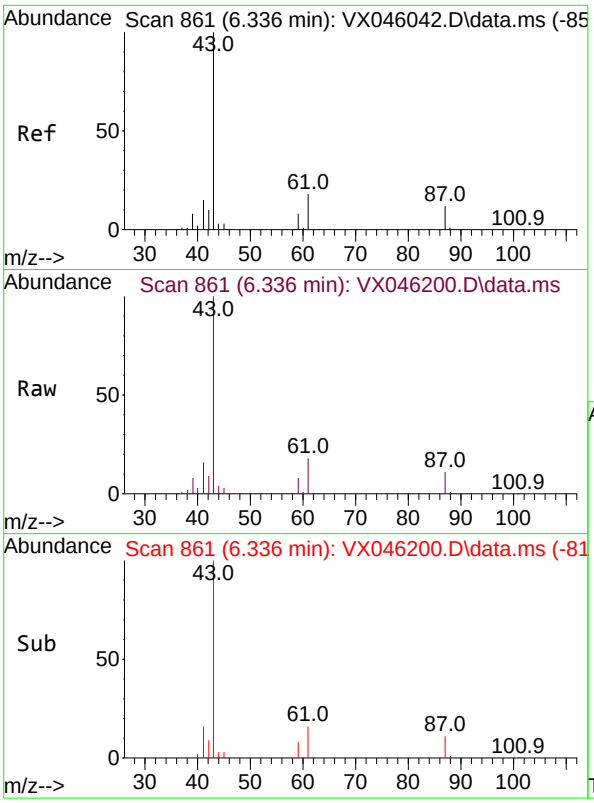


#42
1,2-Dichloroethane
Concen: 51.827 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 62 Resp: 89054

Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.2

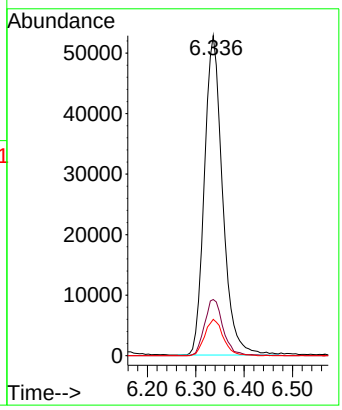




#43
Isopropyl Acetate
Concen: 53.921 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 13814

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.5	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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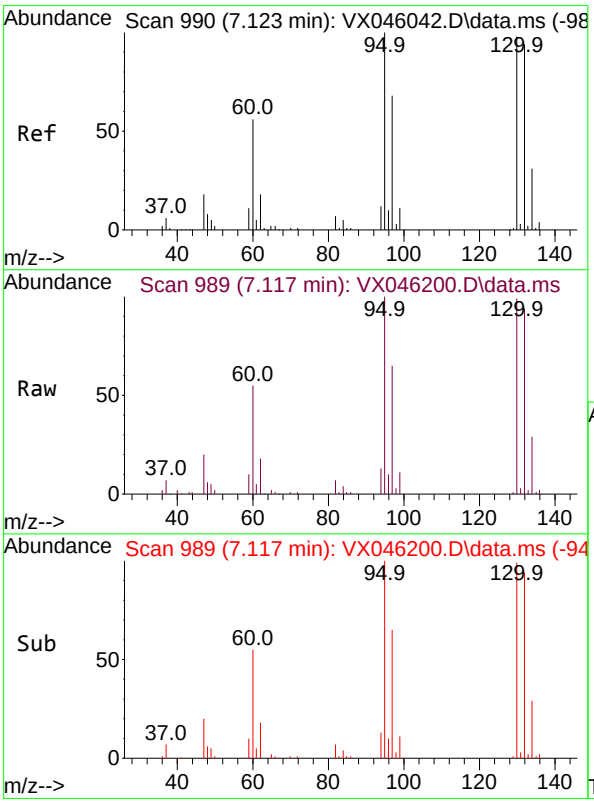
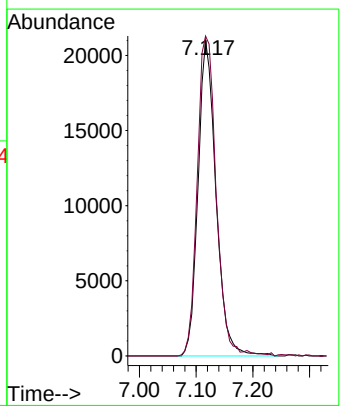
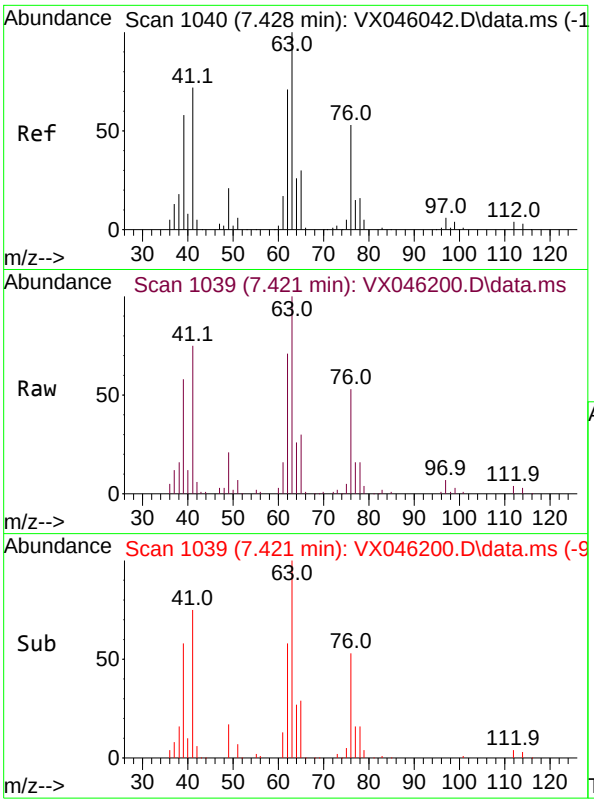


#44
Trichloroethene
Concen: 48.134 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:130 Resp: 46123

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	204.2





#45
1,2-Dichloropropane
Concen: 52.609 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 63 Resp: 5208

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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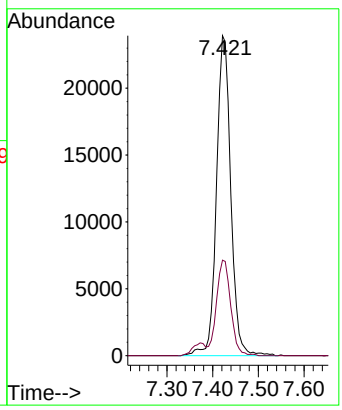
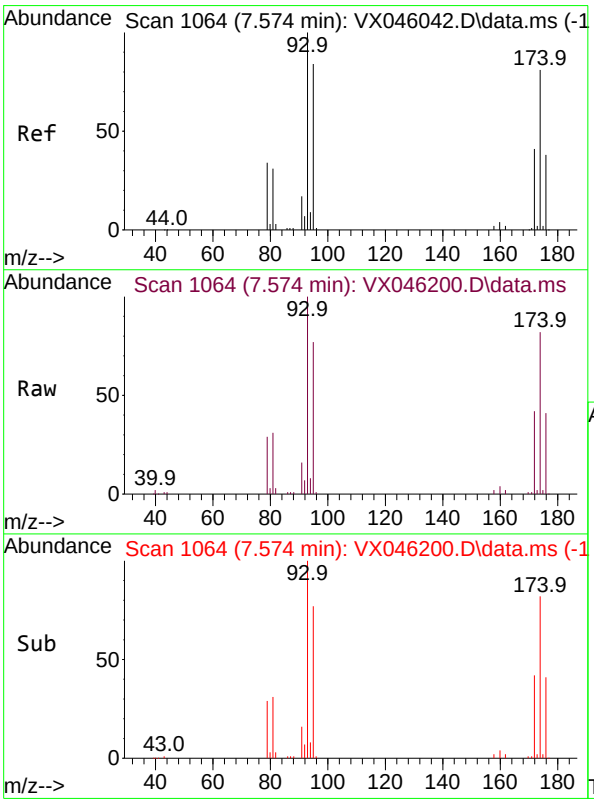
Supervised By :Mahesh Dadoda 05/16/2025

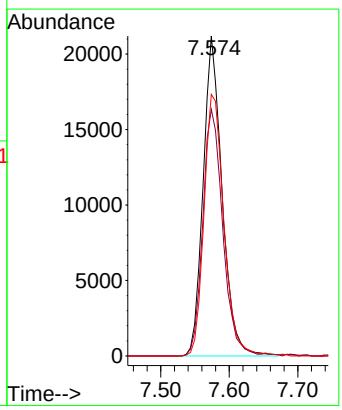


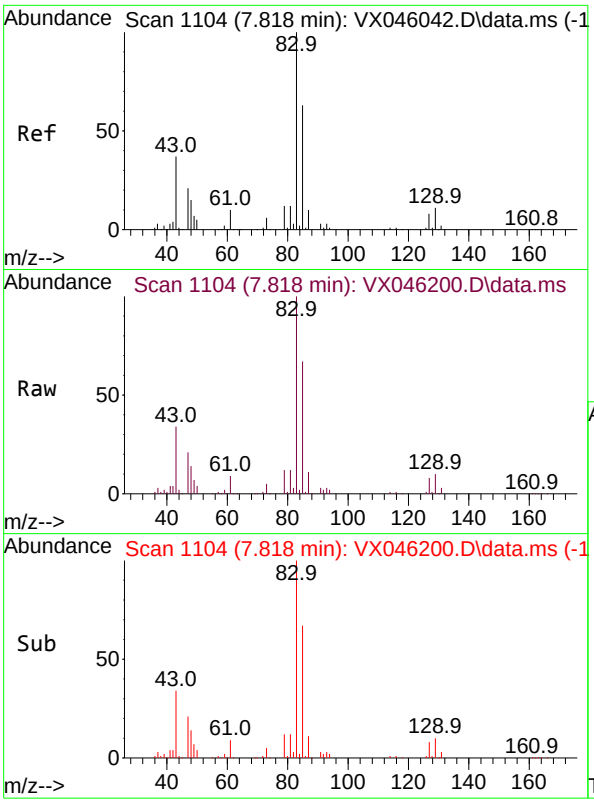


#46
Dibromomethane
Concen: 52.296 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 93 Resp: 40833

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.6	98.4
174	86.2	68.2	102.2

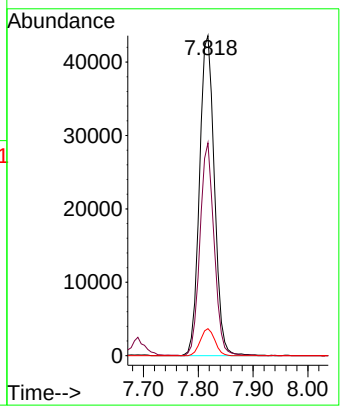




#47
Bromodichloromethane
Concen: 53.445 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 83 Resp: 8219

Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.5	75.7
127	8.4	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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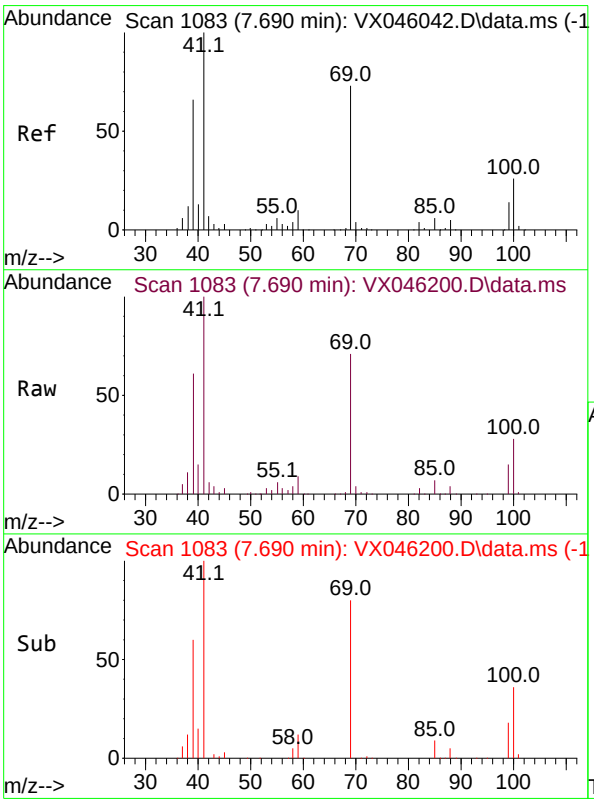
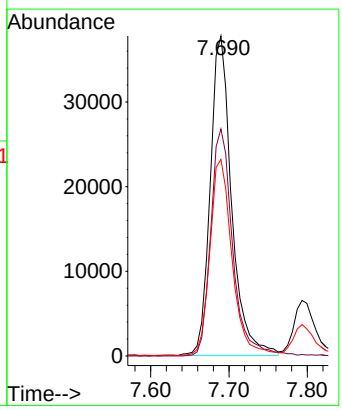
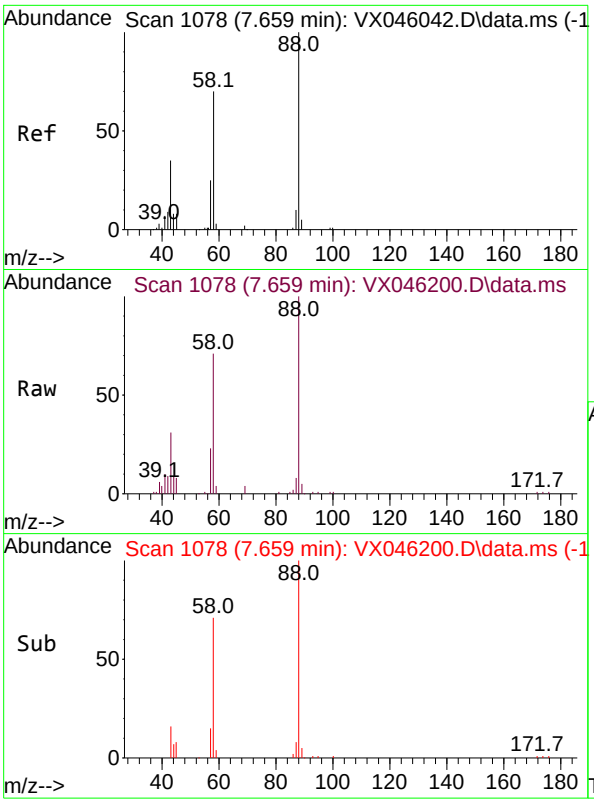


#48
Methyl methacrylate
Concen: 54.783 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 41 Resp: 71677

Ion	Ratio	Lower	Upper
41	100		
69	73.3	58.5	87.7
39	64.0	51.7	77.5





#49
1,4-Dioxane
Concen: 1060.072 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 88 Resp: 2633

Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.4	50.2
58	73.0	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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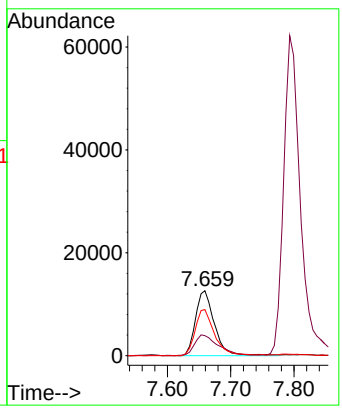
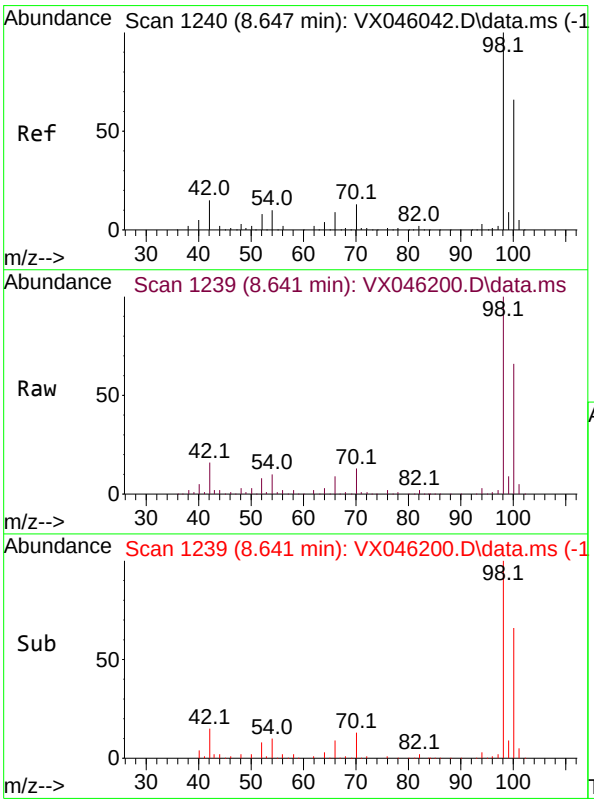
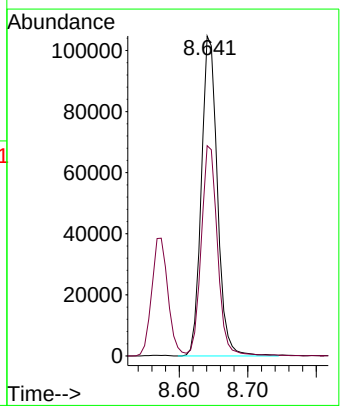


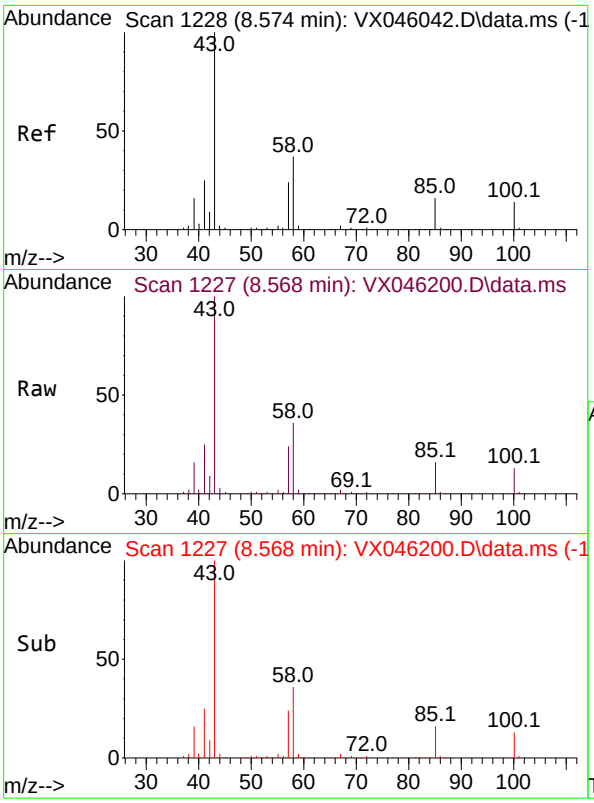


#50
Toluene-d8
Concen: 48.757 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 98 Resp: 170717

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 277.135 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 47128

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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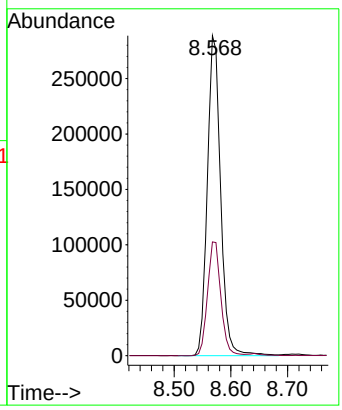
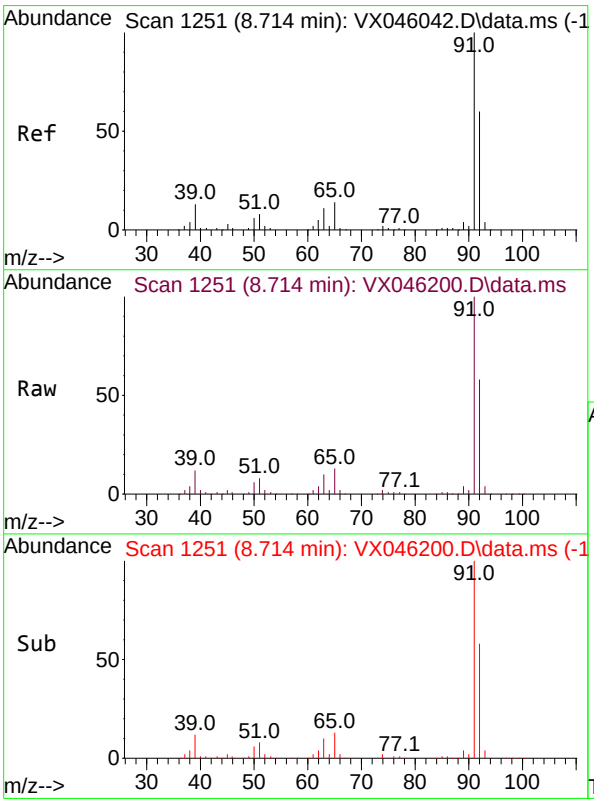
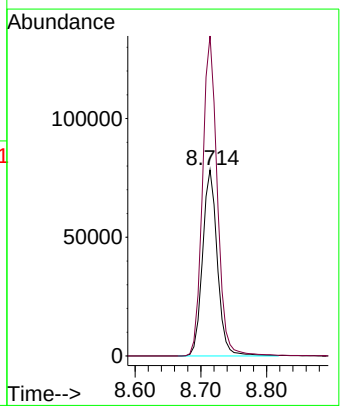


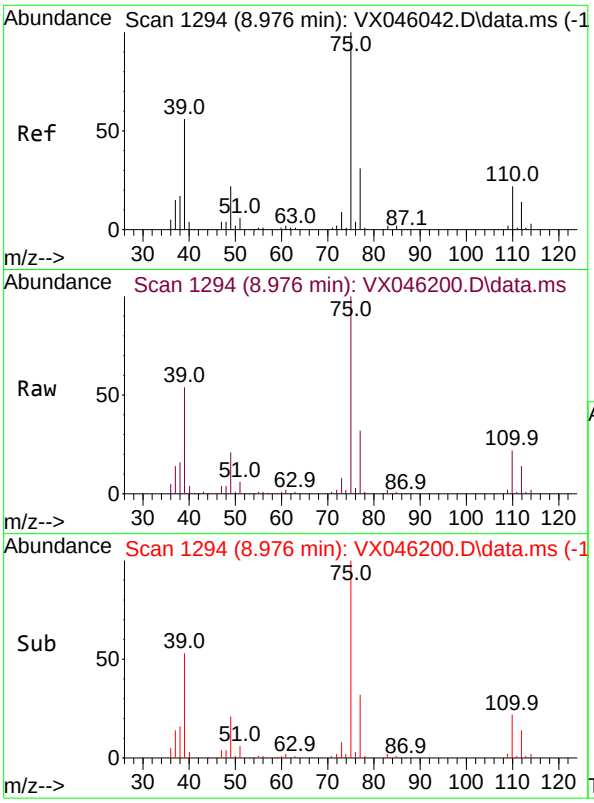


#52
Toluene
Concen: 50.134 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 92 Resp: 122389

Ion	Ratio	Lower	Upper
92	100		
91	172.6	136.6	205.0

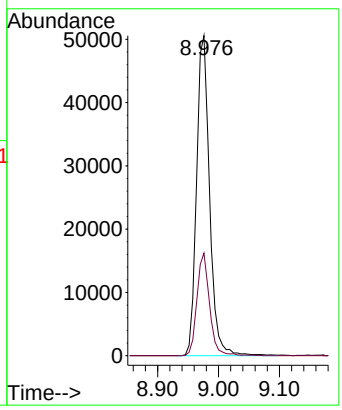




#53
t-1,3-Dichloropropene
Concen: 54.955 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 7511

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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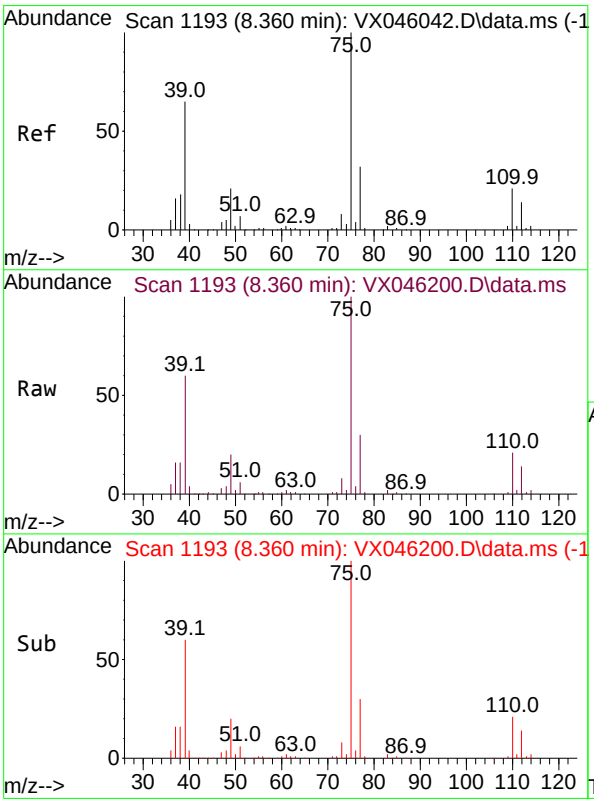
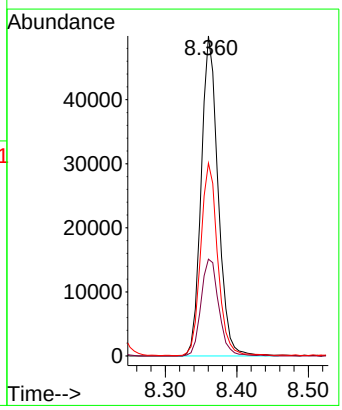
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

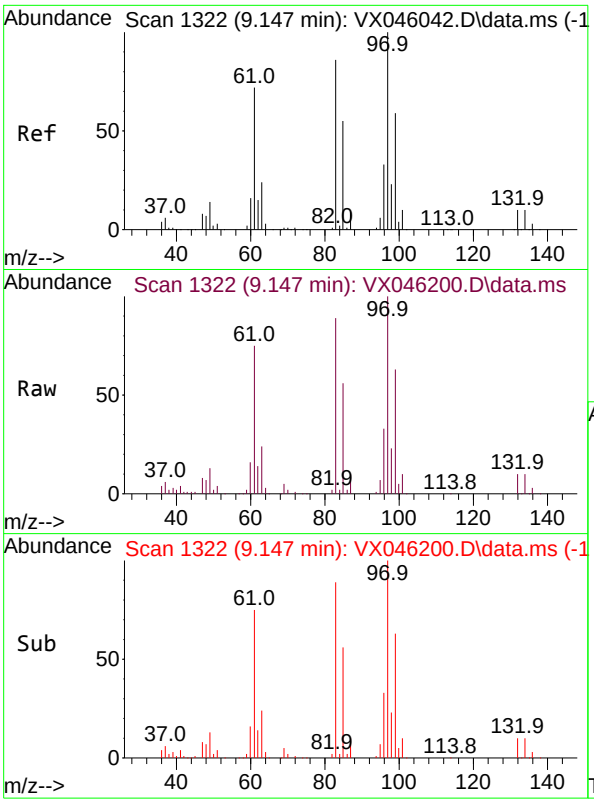


#54
cis-1,3-Dichloropropene
Concen: 54.175 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 81846

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.0
39	60.1	52.2	78.4

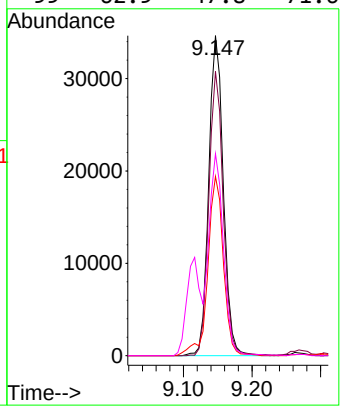




#55
1,1,2-Trichloroethane
Concen: 53.511 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 97 Resp: 5151

Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.0	103.6
85	56.0	44.3	66.5
99	62.9	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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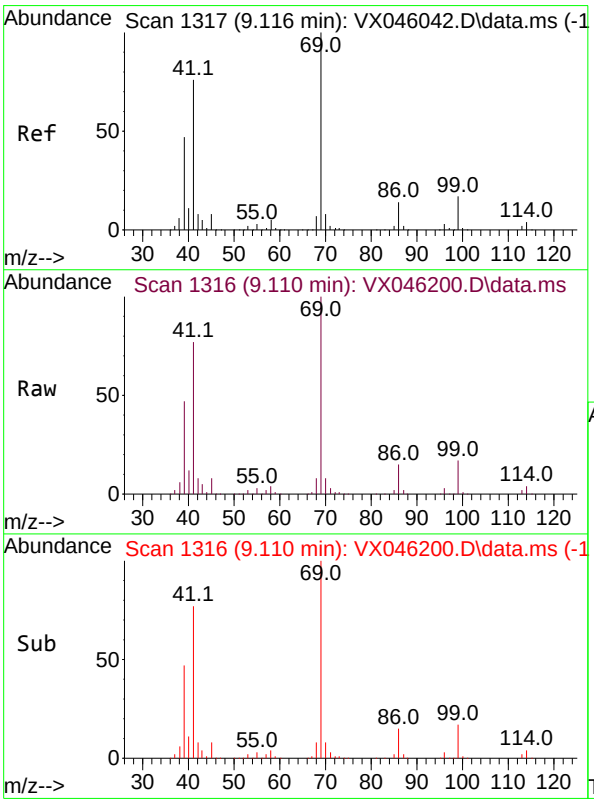
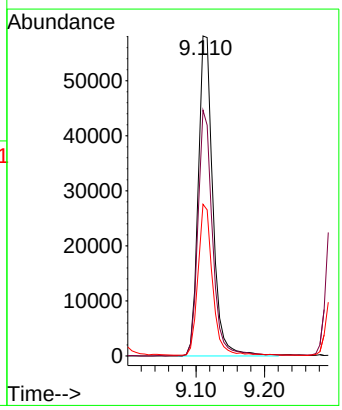
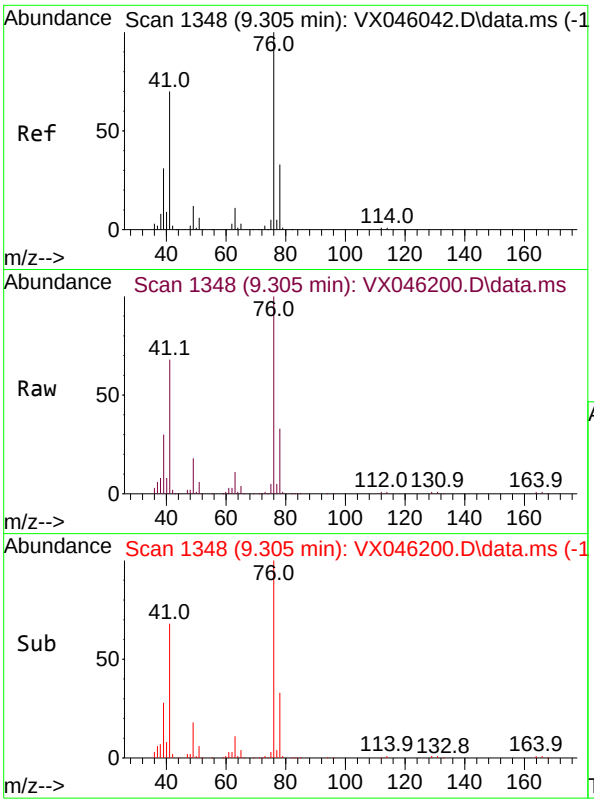


#56
Ethyl methacrylate
Concen: 56.258 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 69 Resp: 86310

Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.8	91.2
39	47.3	39.0	58.6





#57
1,3-Dichloropropane
Concen: 52.400 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 76 Resp: 9058

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
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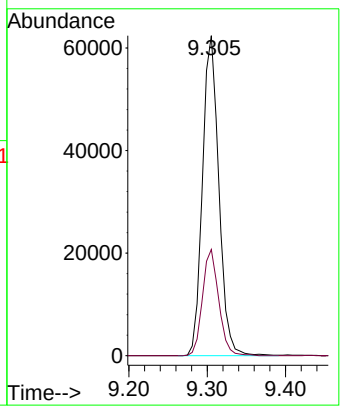
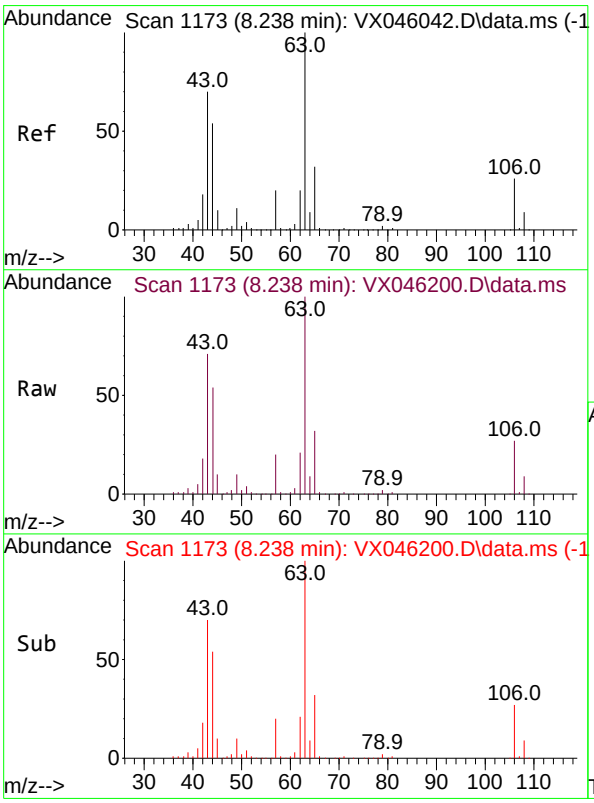
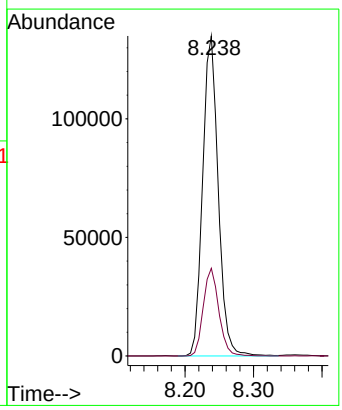


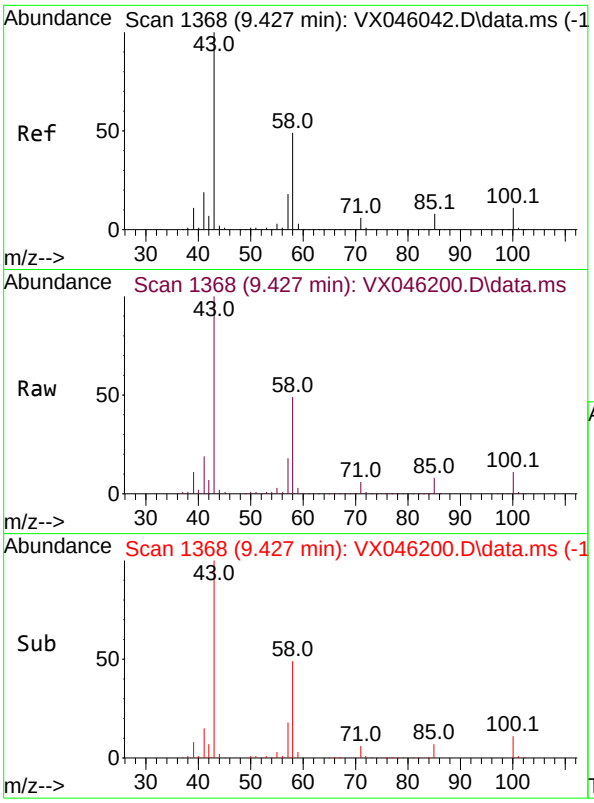


#58
2-Chloroethyl Vinyl ether
Concen: 273.403 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 63 Resp: 213841

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3





#59
2-Hexanone
Concen: 279.654 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 35184

Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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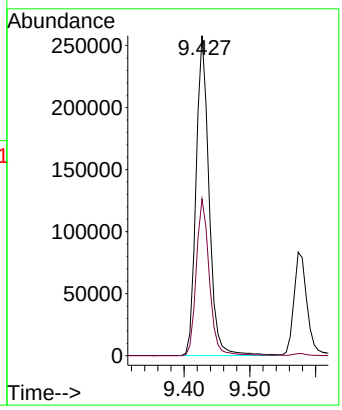
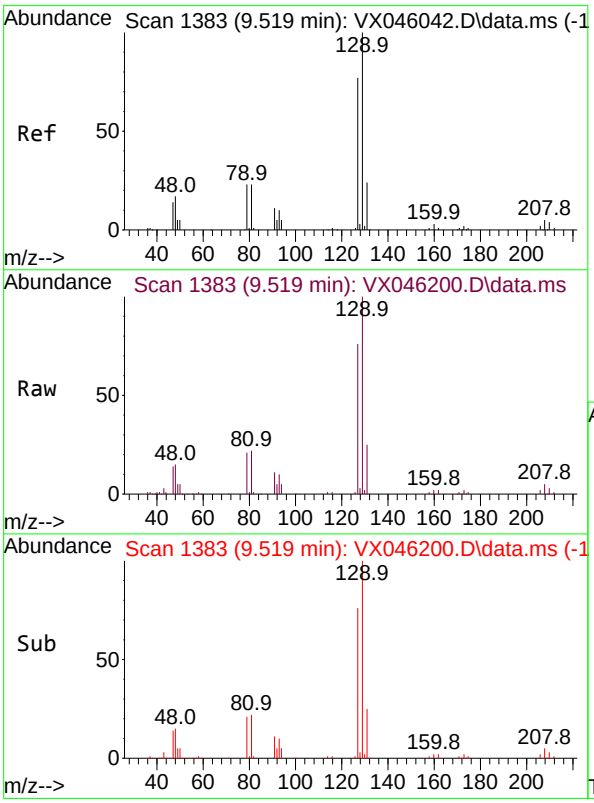
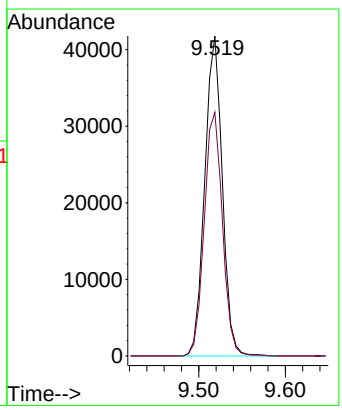


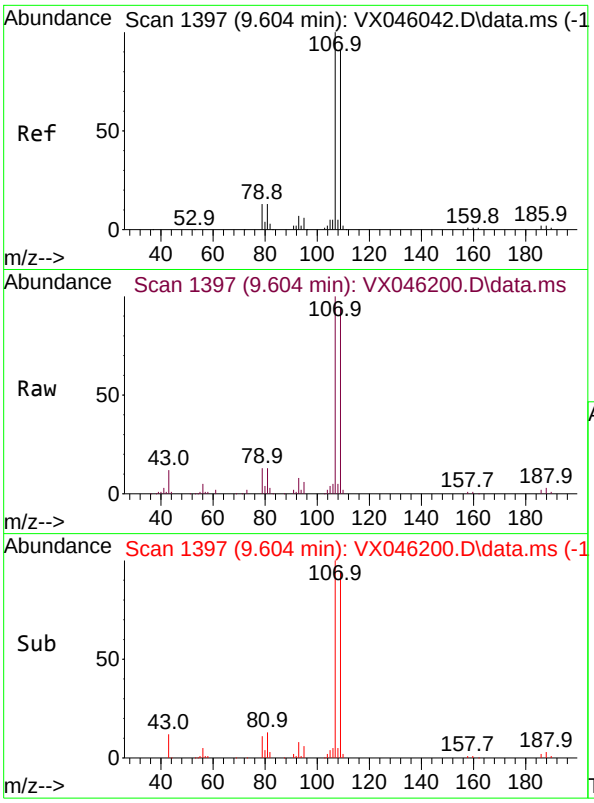


#60
Dibromochloromethane
Concen: 55.578 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:129 Resp: 58754

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.3	117.8





#61
1,2-Dibromoethane
Concen: 53.537 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:107 Resp: 5356

Ion	Ratio	Lower	Upper
107	100		
109	94.7	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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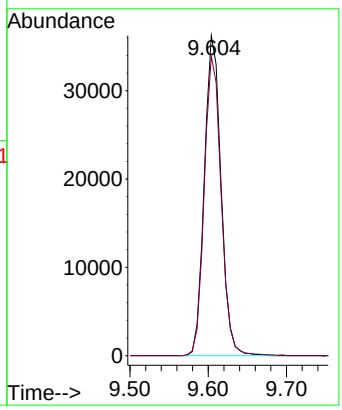
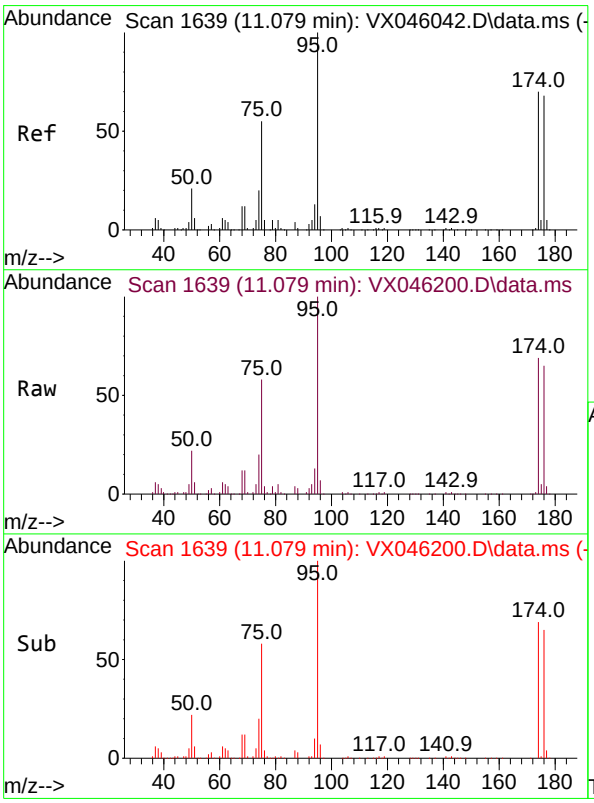
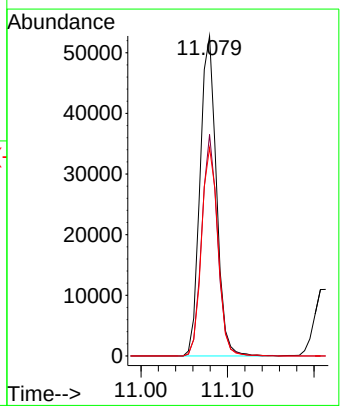


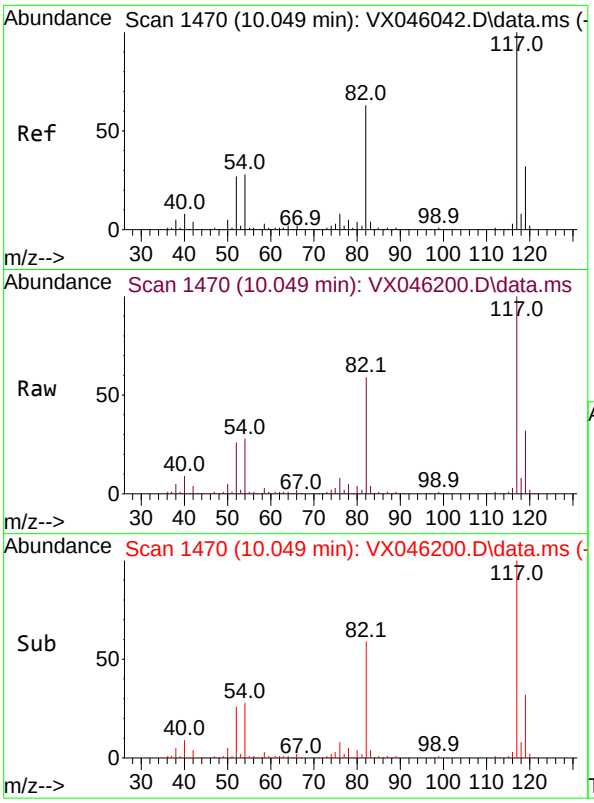


#62
4-Bromofluorobenzene
Concen: 51.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 95 Resp: 69053

Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	135.8
176	65.5	0.0	131.4

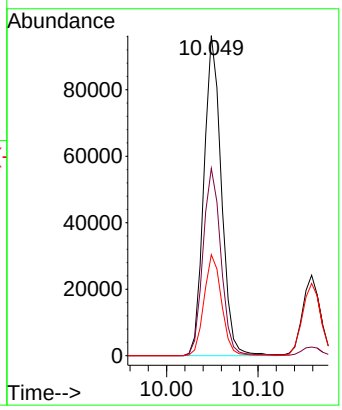




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:117 Resp: 12763

Ion	Ratio	Lower	Upper
117	100		
82	58.5	50.6	76.0
119	31.6	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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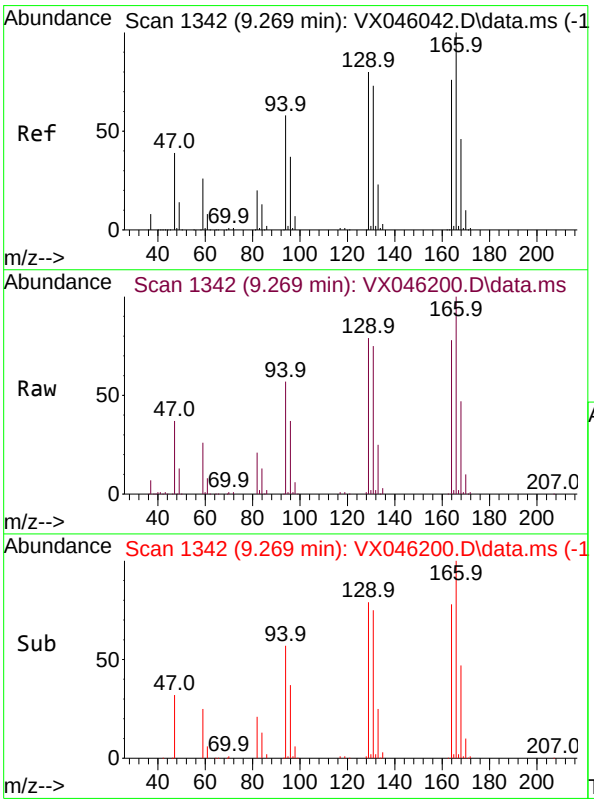
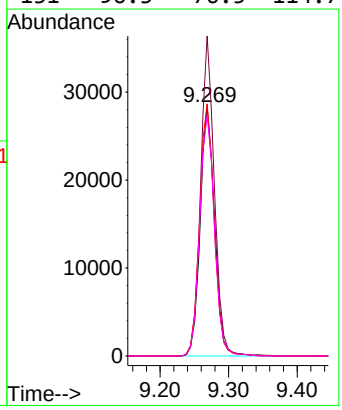
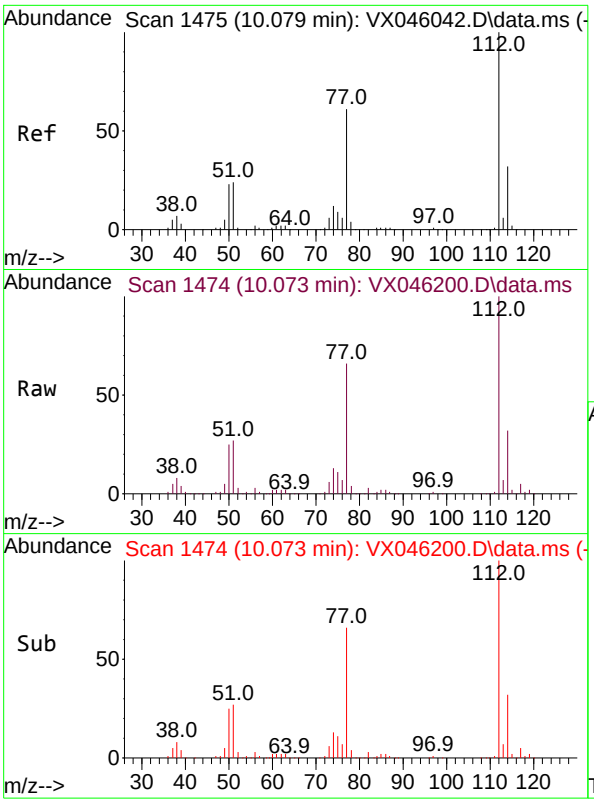


#64
Tetrachloroethene
Concen: 46.025 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:164 Resp: 41562

Ion	Ratio	Lower	Upper
164	100		
166	128.2	105.0	157.6
129	101.0	83.5	125.3
131	96.3	76.5	114.7





#65
Chlorobenzene
Concen: 48.673 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:112 Resp: 13596

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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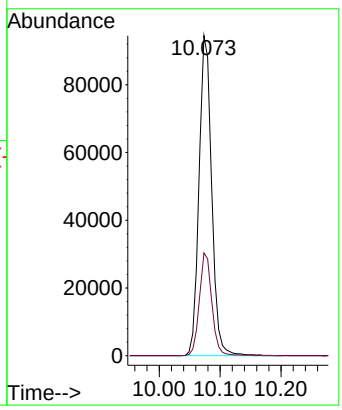
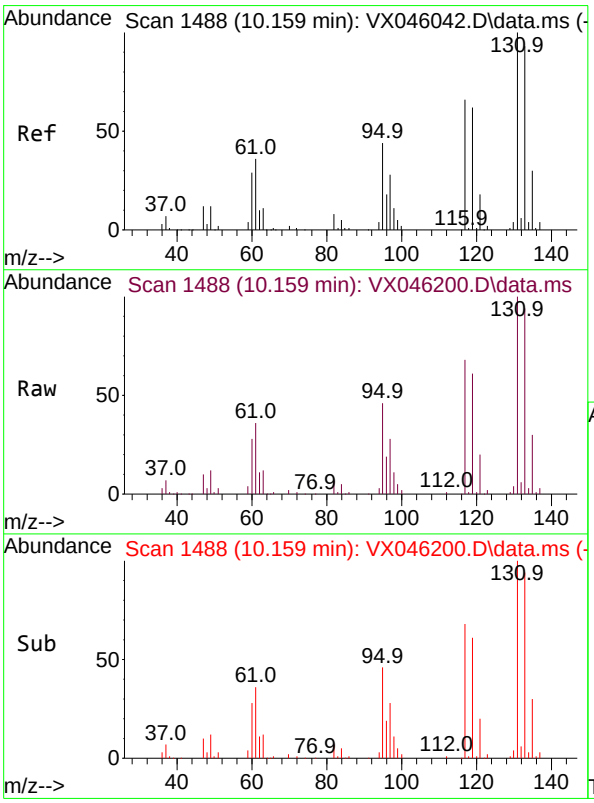
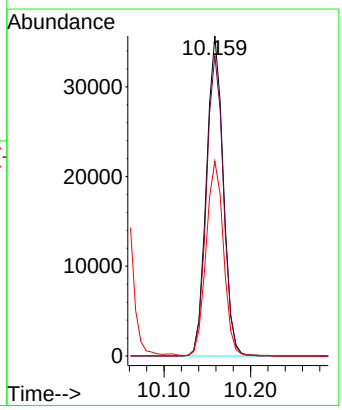


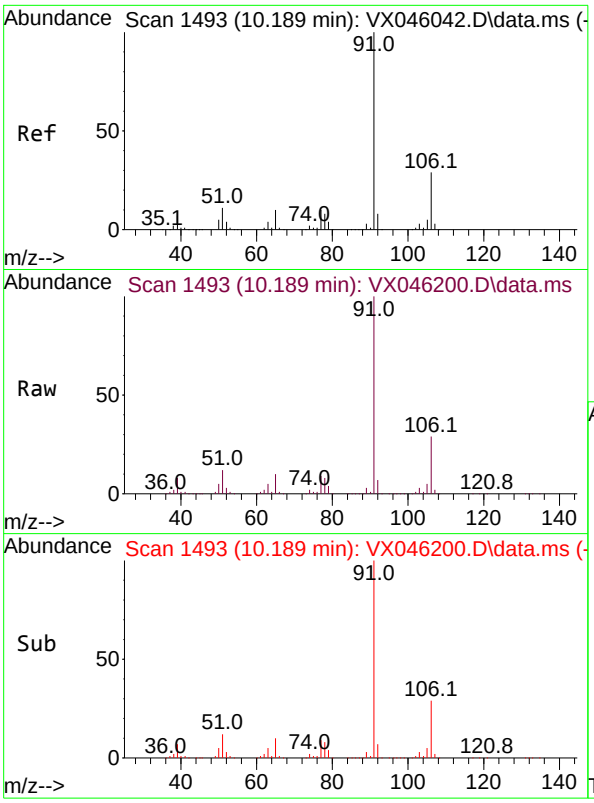


#66
1,1,1,2-Tetrachloroethane
Concen: 50.472 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:131 Resp: 48145

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	63.1	31.6	95.0





#67
Ethyl Benzene
Concen: 48.501 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 91 Resp: 23882

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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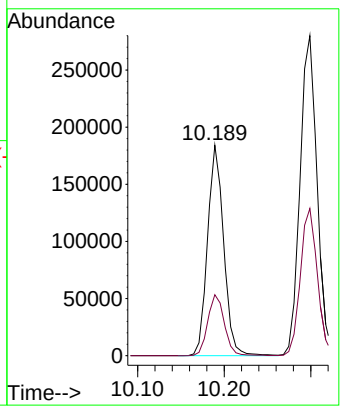
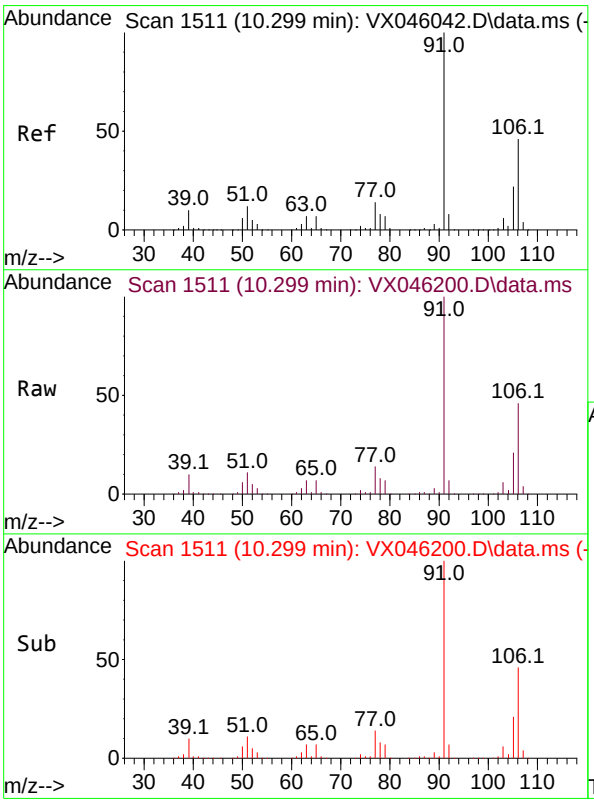
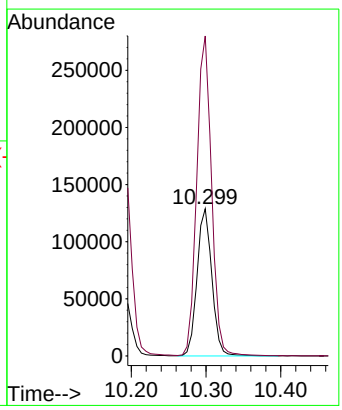


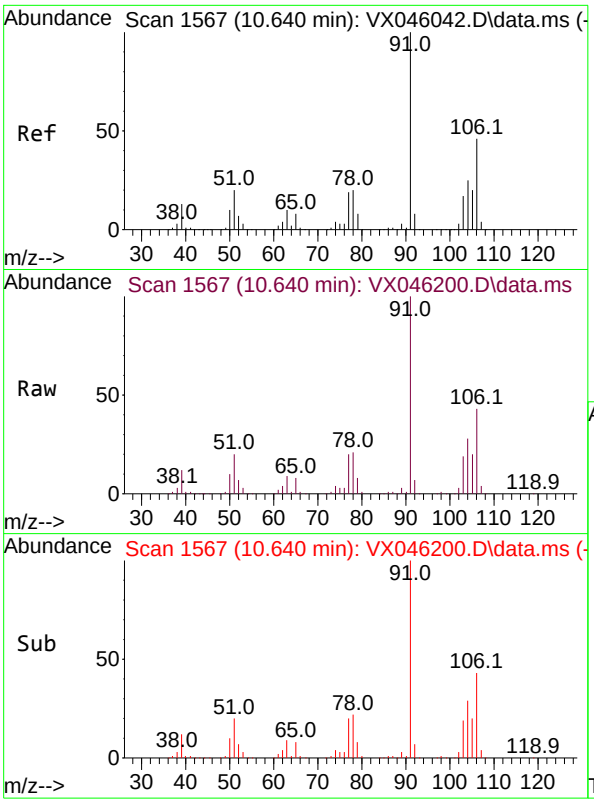


#68
m/p-Xylenes
Concen: 98.275 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:106 Resp: 176993

Ion	Ratio	Lower	Upper
106	100		
91	218.1	171.2	256.8

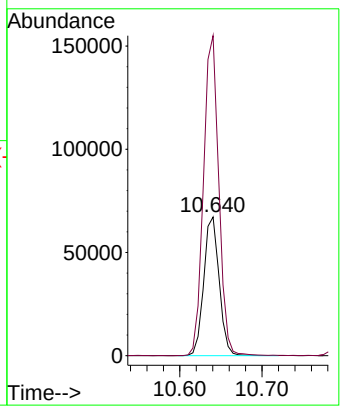




#69
o-Xylene
Concen: 49.886 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:106 Resp: 8758

Ion	Ratio	Lower	Upper
106	100		
91	229.4	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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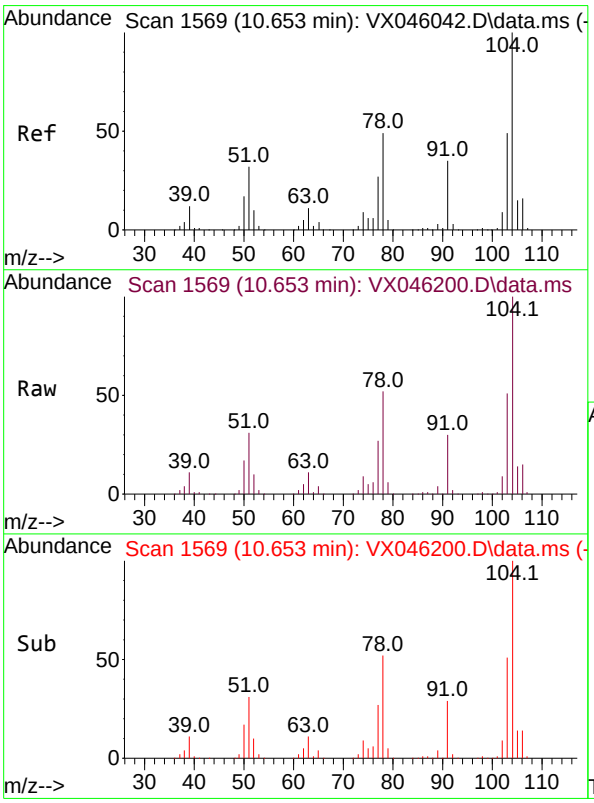
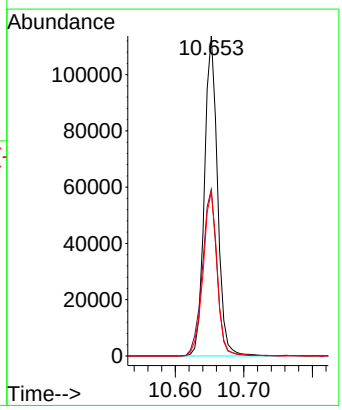
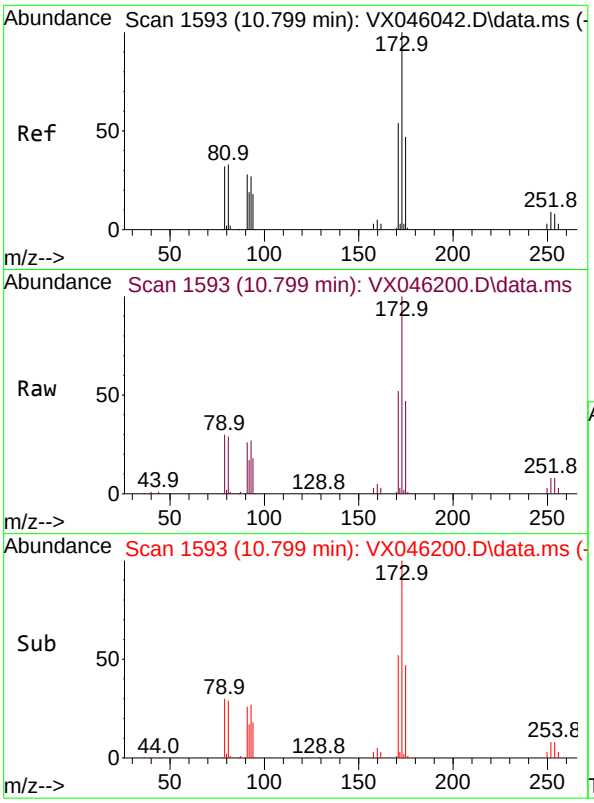


#70
Styrene
Concen: 52.738 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:104 Resp: 151684

Ion	Ratio	Lower	Upper
104	100		
78	57.7	45.7	68.5
103	55.3	43.7	65.5





#71
Bromoform
Concen: 53.725 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:173 Resp: 3847

Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.4	70.0
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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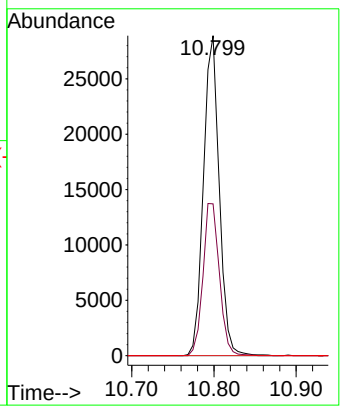
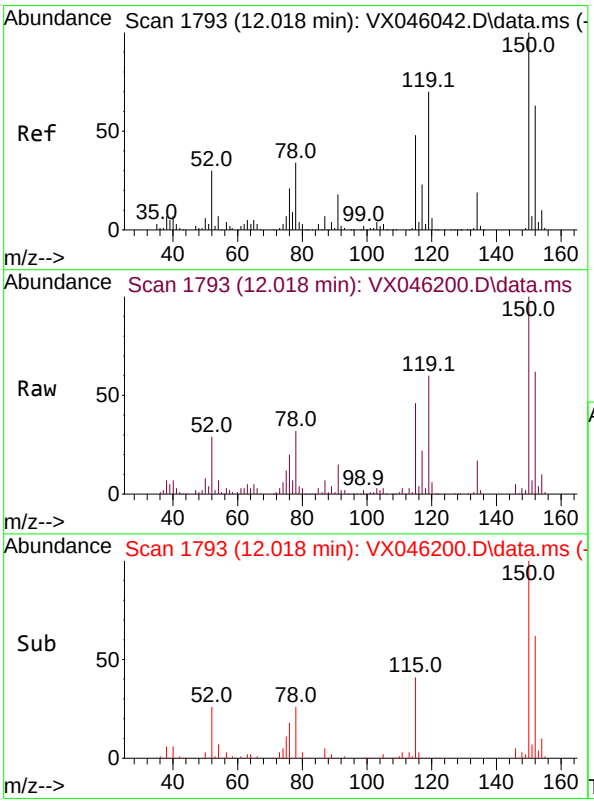
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

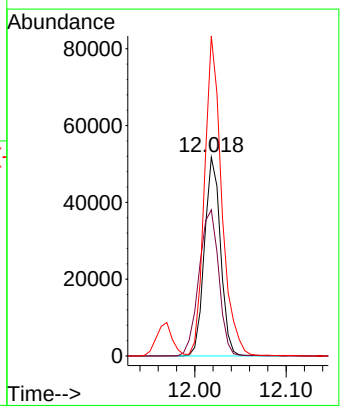


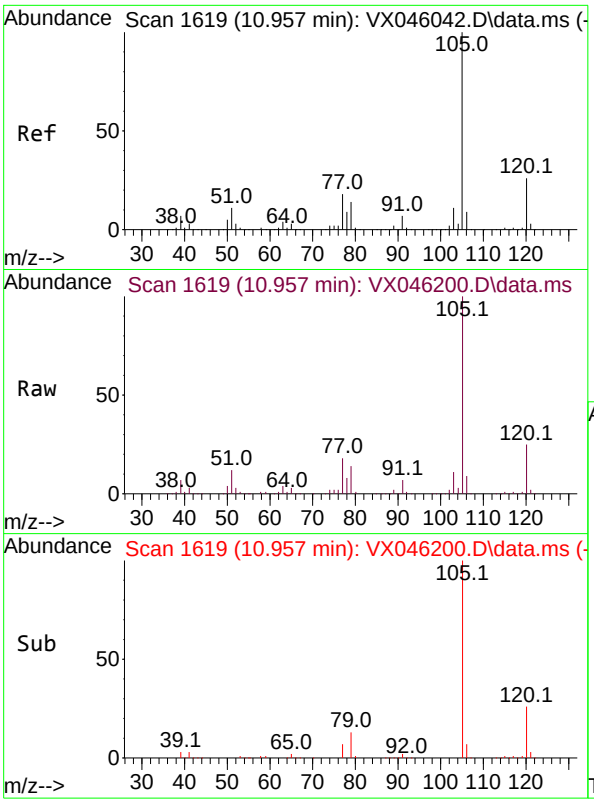


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:152 Resp: 62876

Ion	Ratio	Lower	Upper
152	100		
115	91.3	46.9	140.7
150	172.9	0.0	351.0





#73
Isopropylbenzene
Concen: 47.190 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:105 Resp: 23099

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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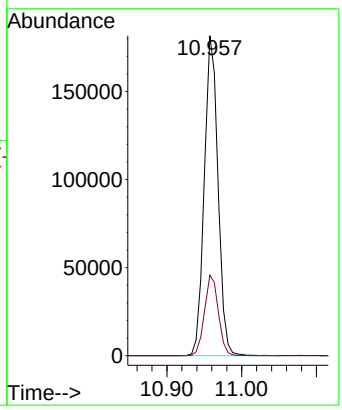
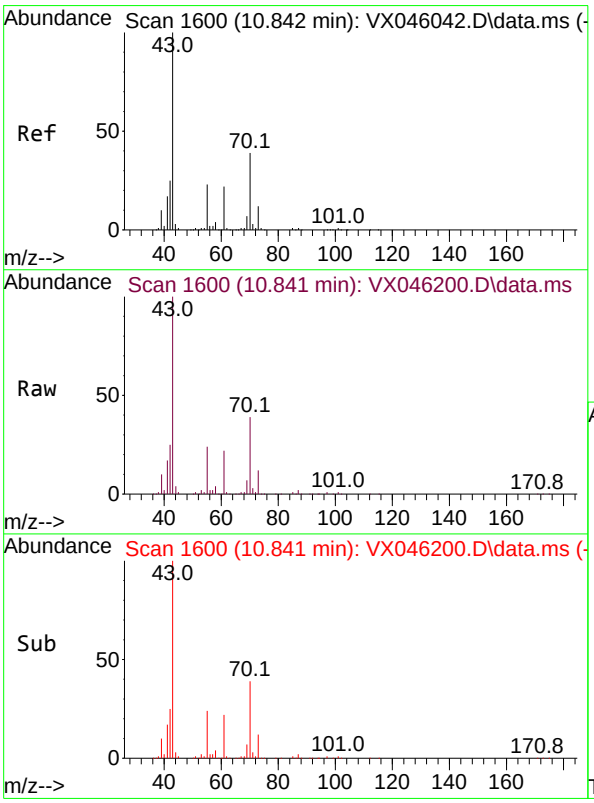
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

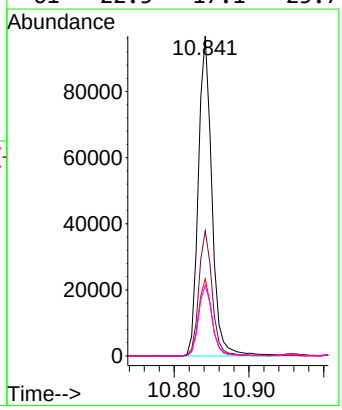


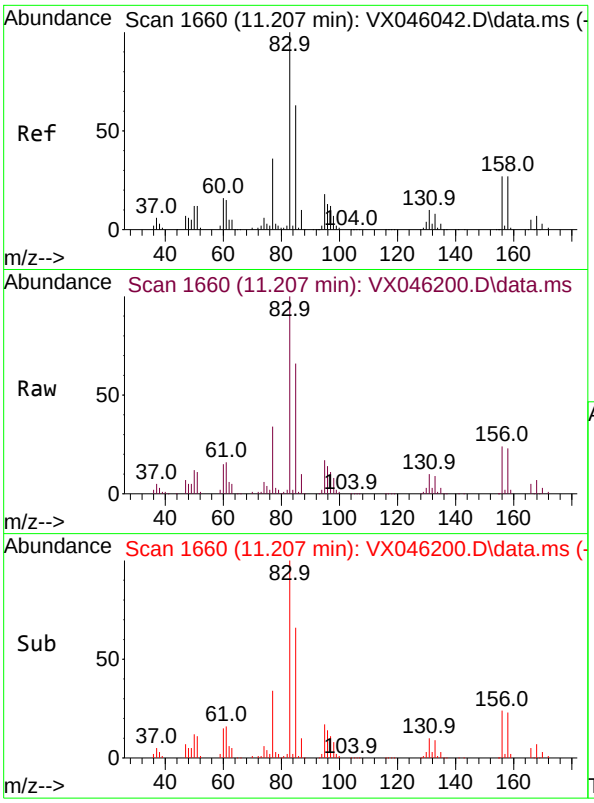


#74
N-amyl acetate
Concen: 50.481 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 122108

Ion	Ratio	Lower	Upper
43	100		
70	38.8	30.9	46.3
55	23.7	18.7	28.1
61	22.5	17.1	25.7

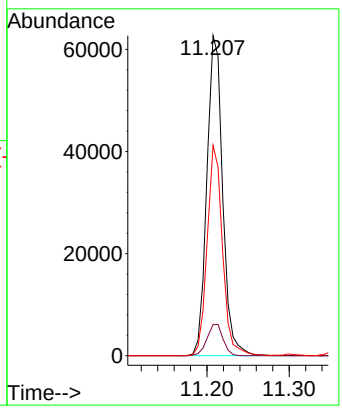




#75
1,1,2,2-Tetrachloroethane
Concen: 48.729 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 83 Resp: 8359

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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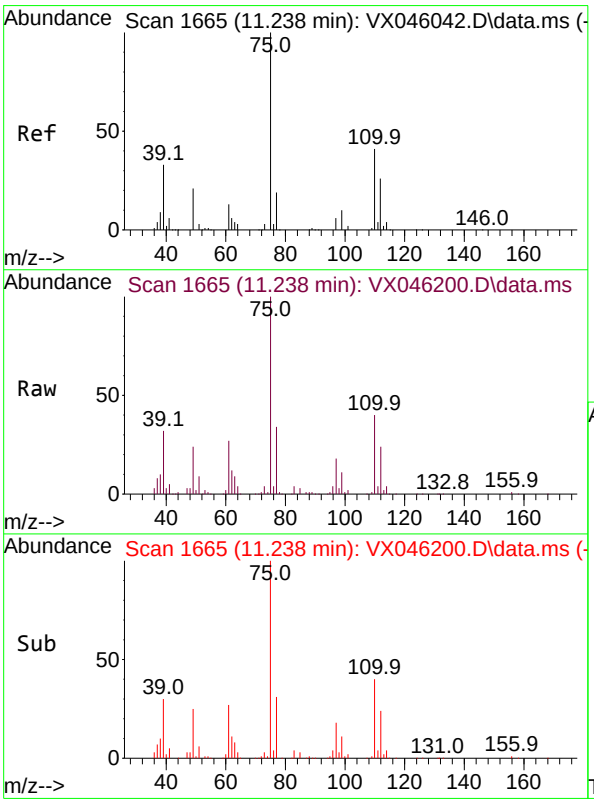
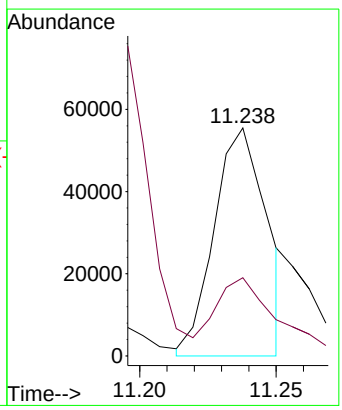
Supervised By :Mahesh Dadoda 05/16/2025

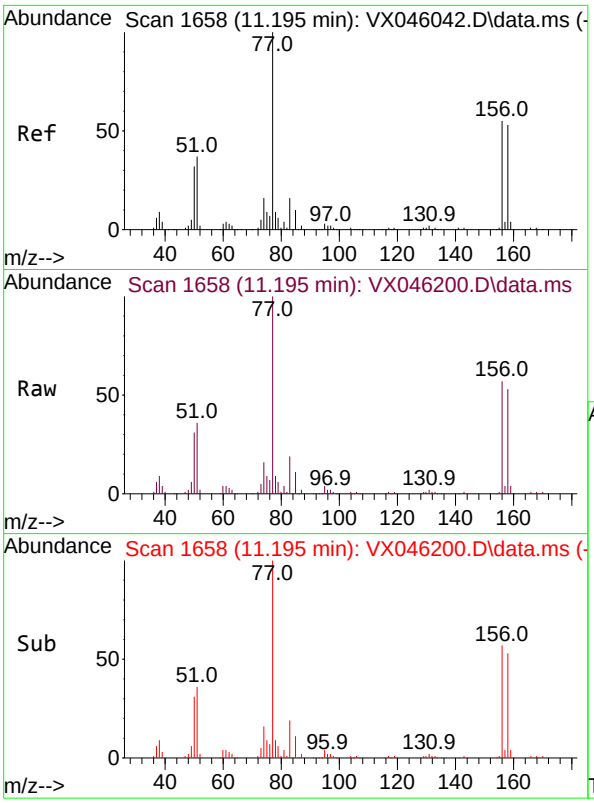


#76
1,2,3-Trichloropropane
Concen: 48.998 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 74157

Ion	Ratio	Lower	Upper
75	100		
77	40.9	20.5	61.5

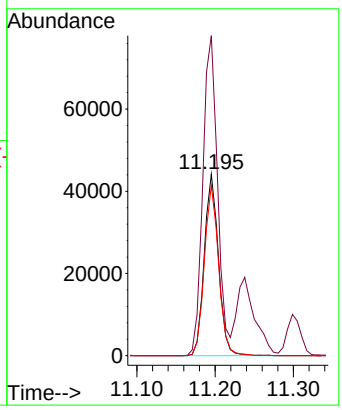




#77
Bromobenzene
Concen: 48.804 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:156 Resp: 5546

Ion	Ratio	Lower	Upper
156	100		
77	183.0	92.8	278.3
158	94.3	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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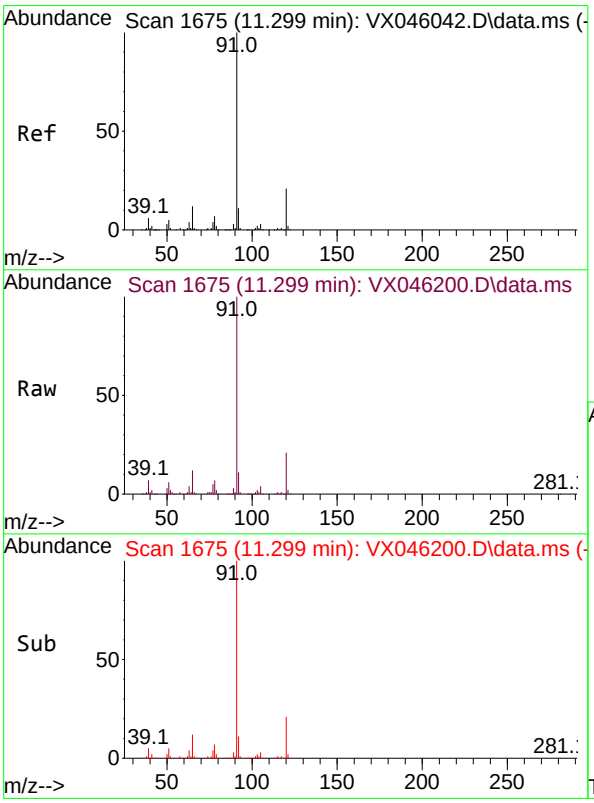
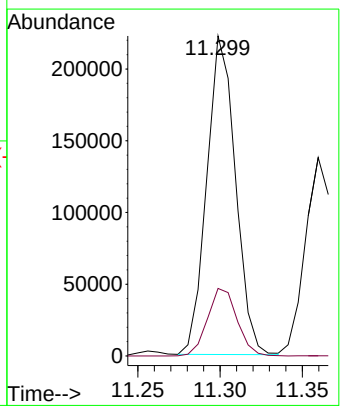
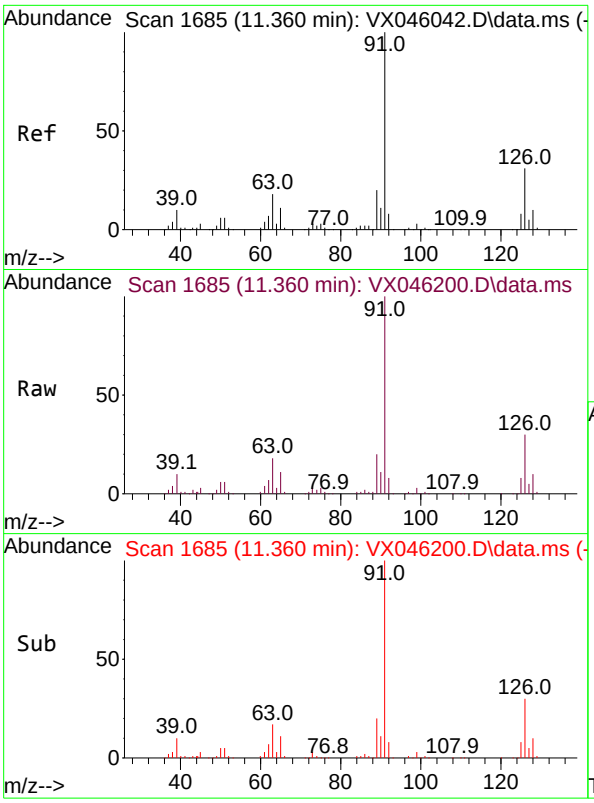


#78
n-propylbenzene
Concen: 47.411 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 91 Resp: 269850

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4





#79
2-Chlorotoluene
Concen: 46.619 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 91 Resp: 17114

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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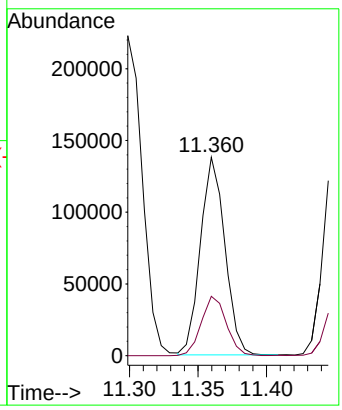
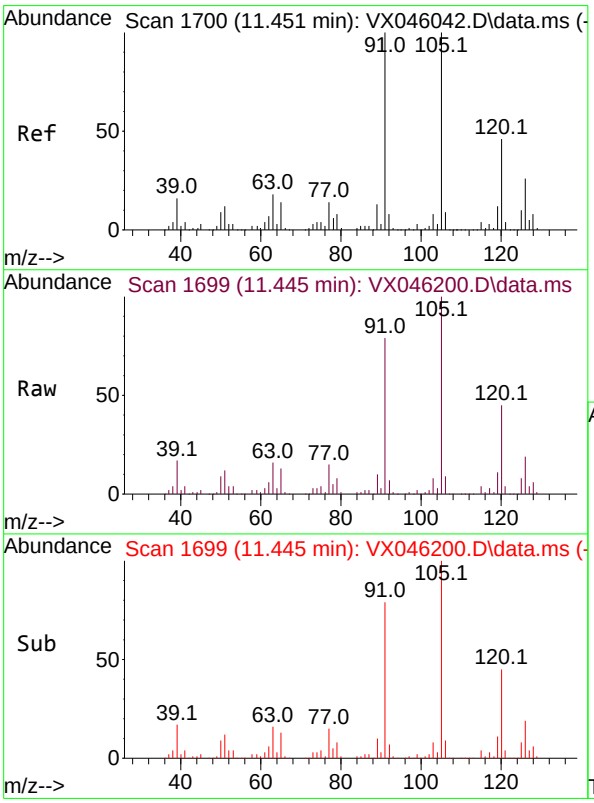
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

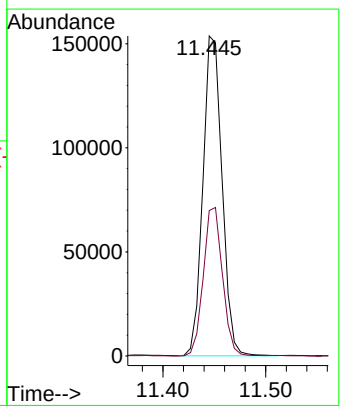


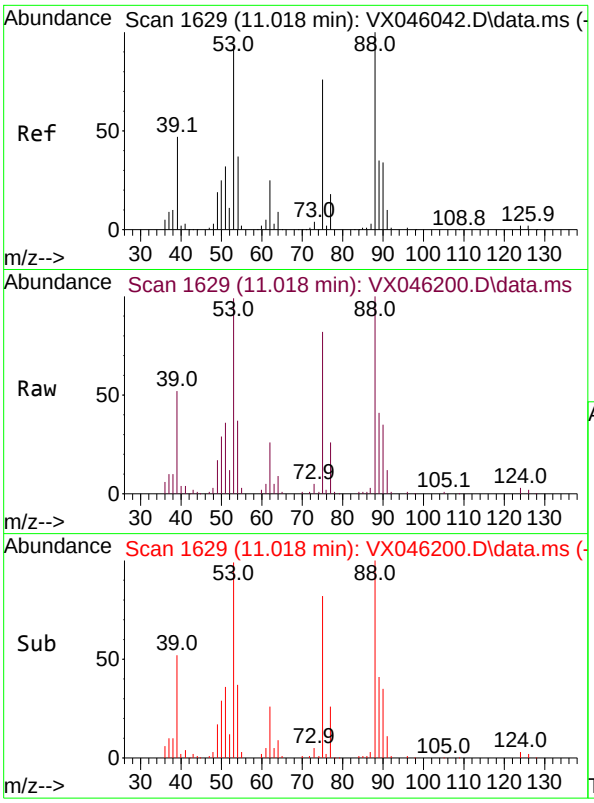


#80
1,3,5-Trimethylbenzene
Concen: 48.706 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:105 Resp: 199182

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 49.180 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 2286

Ion	Ratio	Lower	Upper
75	100		
53	126.5	100.5	150.7
89	49.6	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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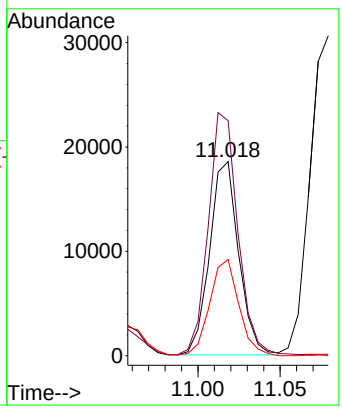
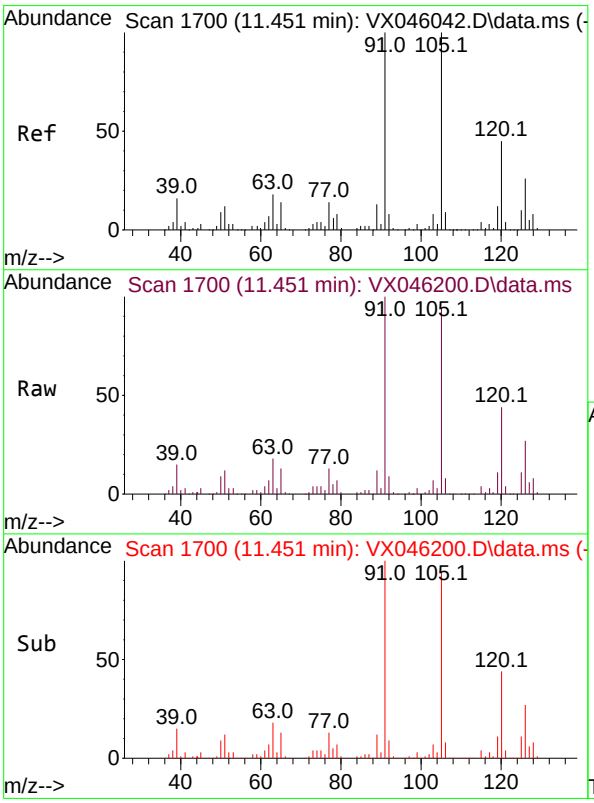
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

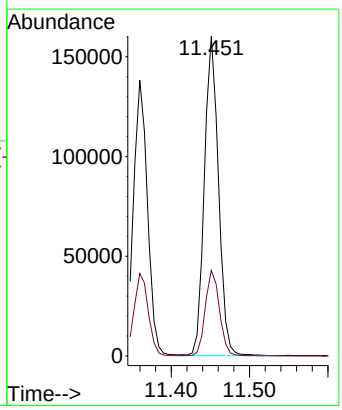


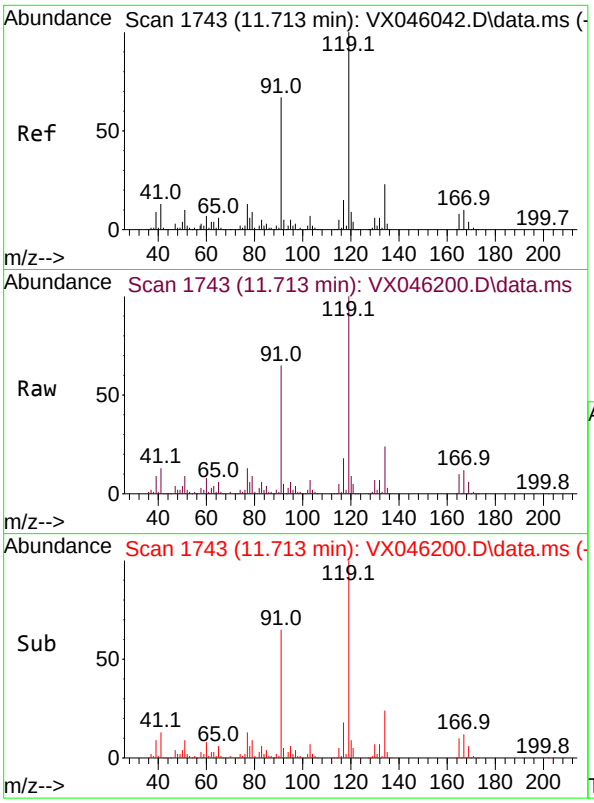


#82
4-Chlorotoluene
Concen: 49.106 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 91 Resp: 199920

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8





#83
tert-Butylbenzene
Concen: 47.815 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:119 Resp: 19696

Ion	Ratio	Lower	Upper
119	100		
91	63.5	32.9	98.7
134	22.4	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/16/2025
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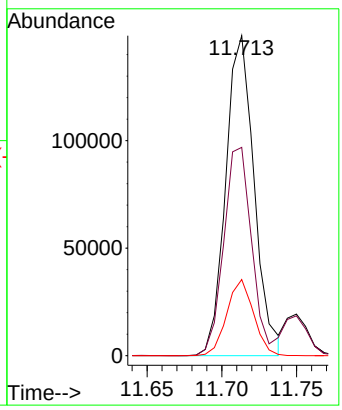
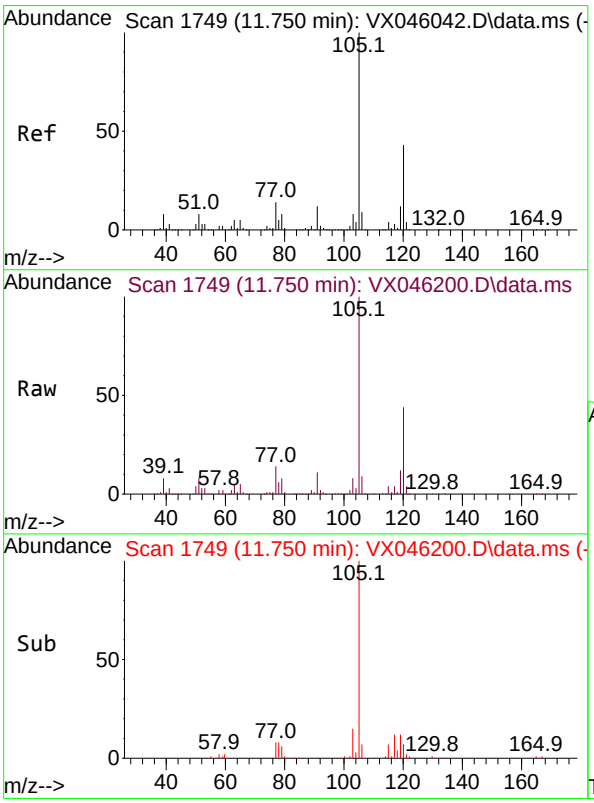
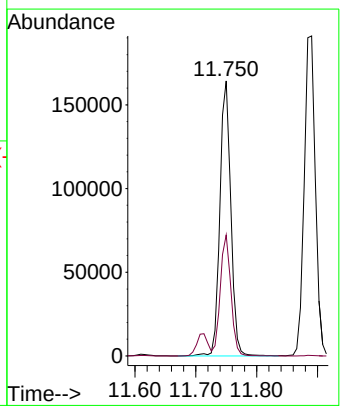


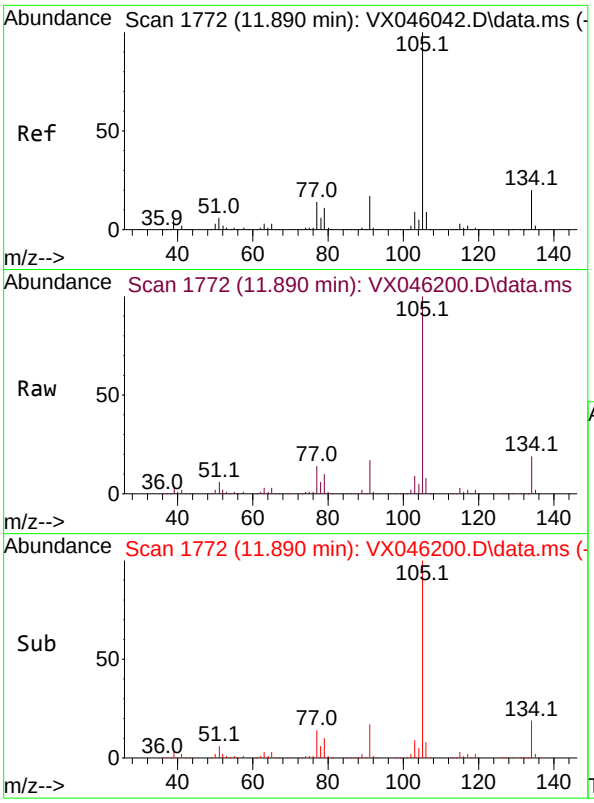


#84
1,2,4-Trimethylbenzene
Concen: 49.424 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:105 Resp: 204684

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.2	63.6

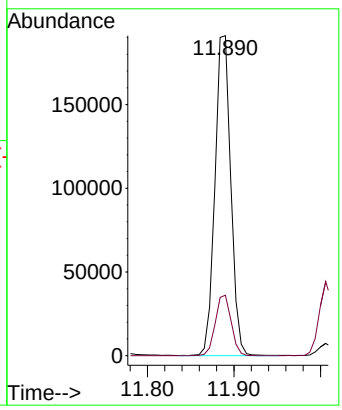




#85
sec-Butylbenzene
Concen: 48.084 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:105 Resp: 24319

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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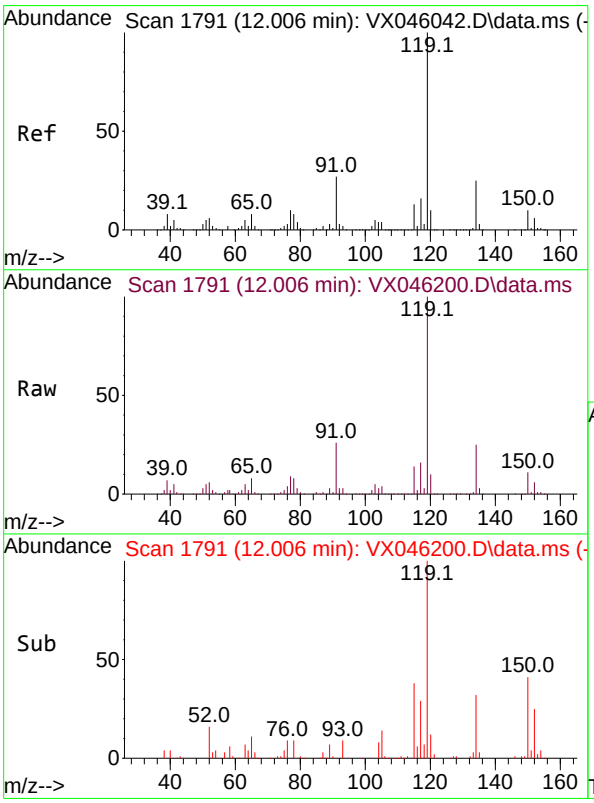
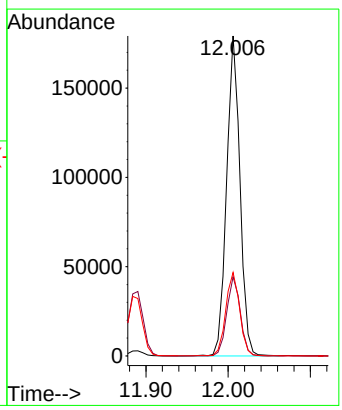
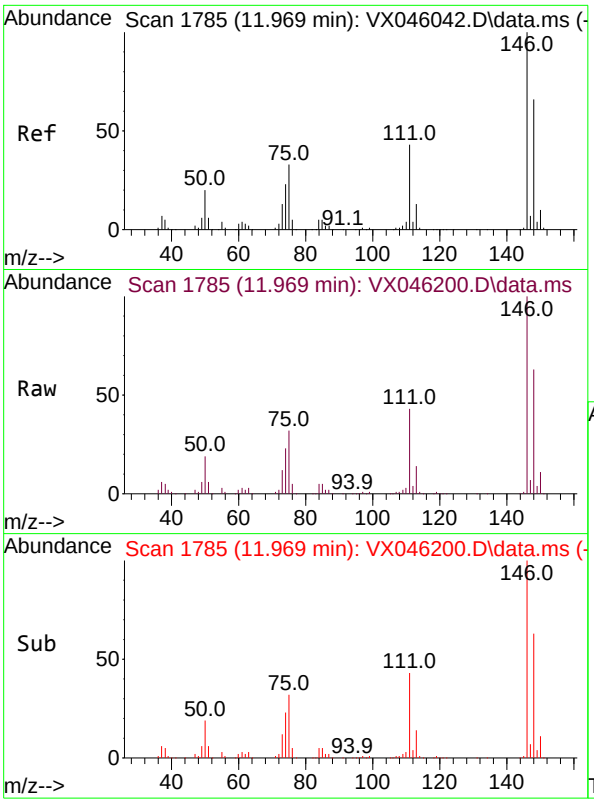


#86
p-Isopropyltoluene
Concen: 48.515 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:119 Resp: 202544

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.5	37.5
91	27.2	13.8	41.4

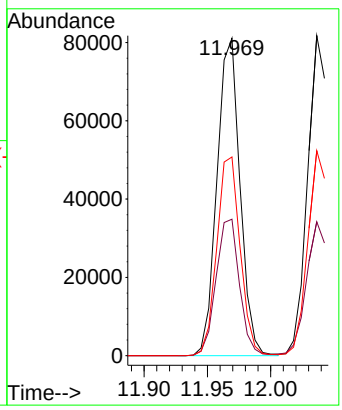




#87
1,3-Dichlorobenzene
Concen: 49.424 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:146 Resp: 10251

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.3
148	63.6	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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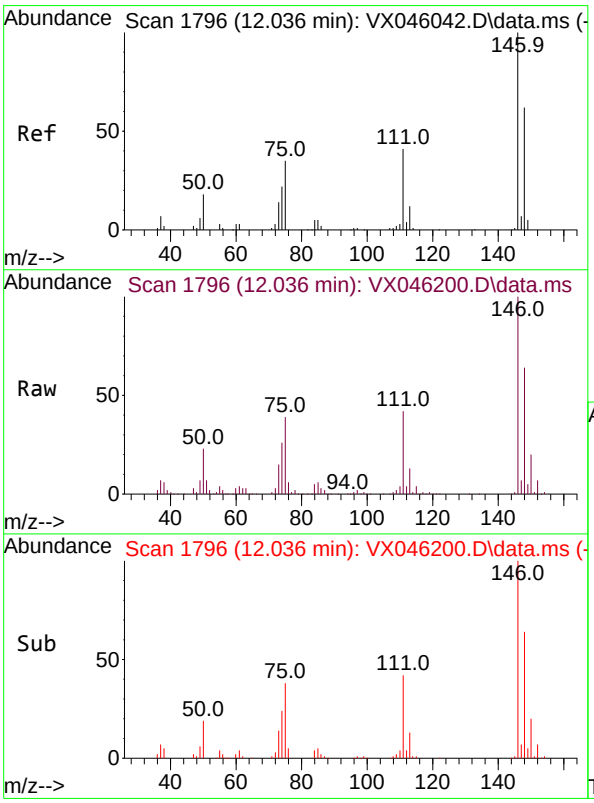
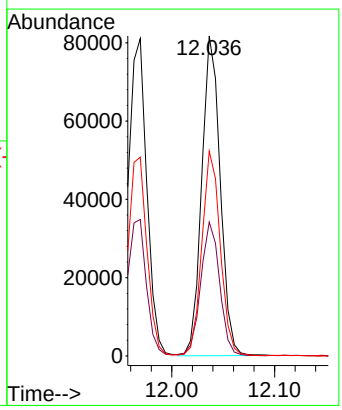
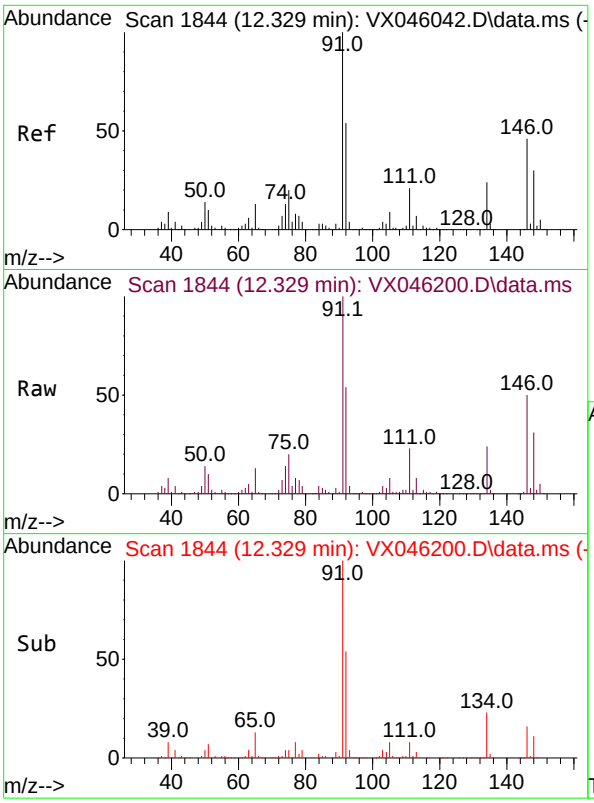


#88
1,4-Dichlorobenzene
Concen: 48.327 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:146 Resp: 102366

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	63.6	31.9	95.5





#89
n-Butylbenzene
Concen: 49.306 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

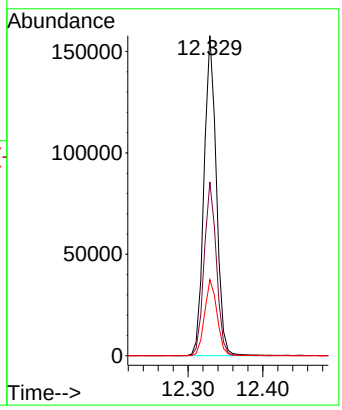
Tgt Ion: 91 Resp: 18056

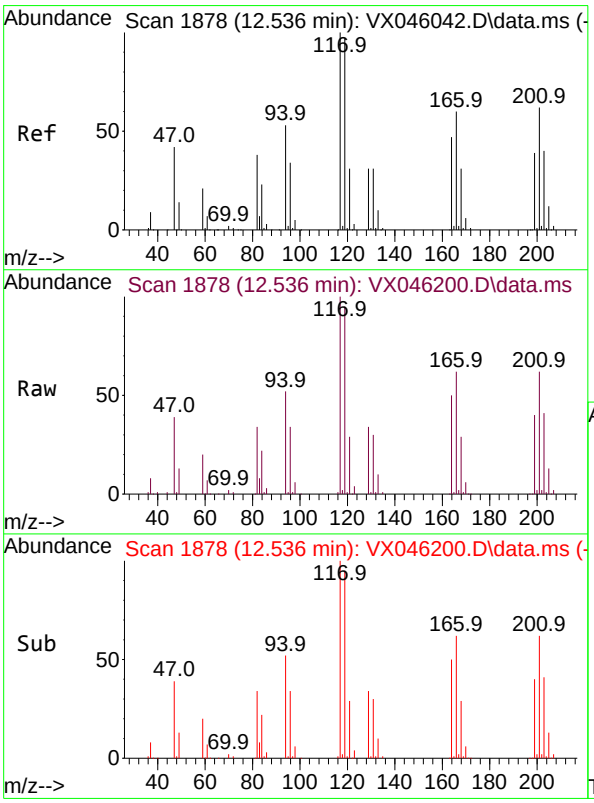
Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.7
134	24.0	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

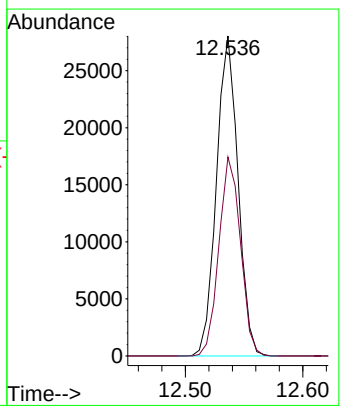


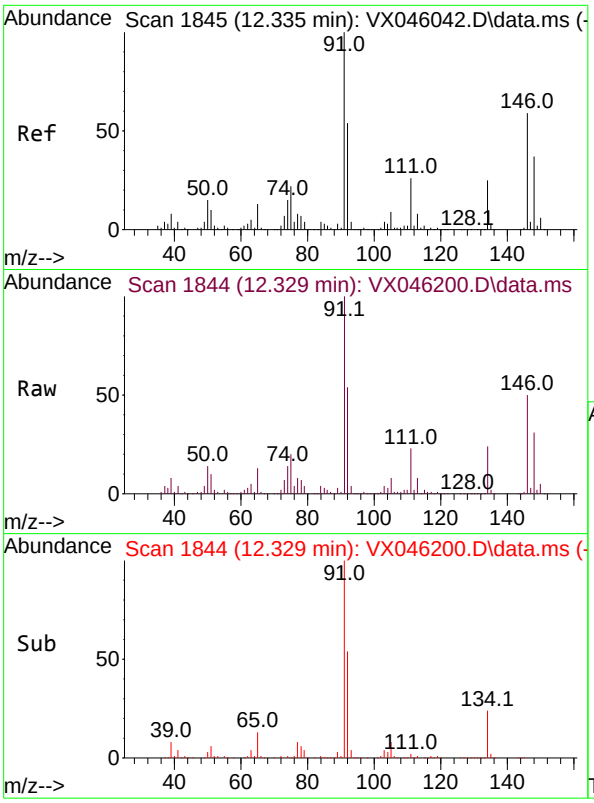


#90
Hexachloroethane
Concen: 48.648 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:117 Resp: 35781

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.6	94.7





#91
1,2-Dichlorobenzene
Concen: 50.026 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

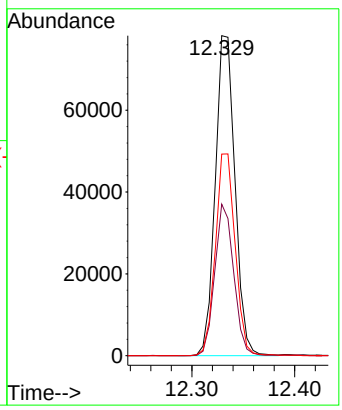
Tgt Ion:146 Resp: 10412

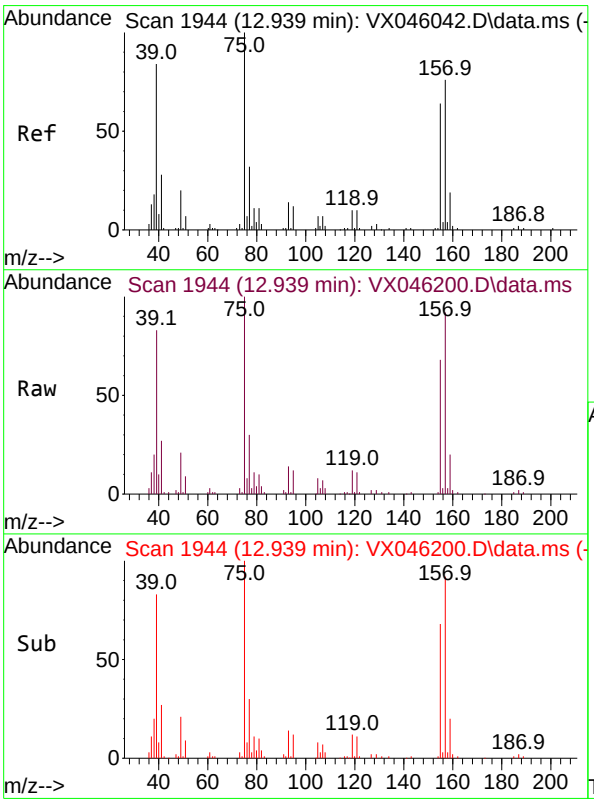
Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.4	67.3
148	63.3	31.6	94.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

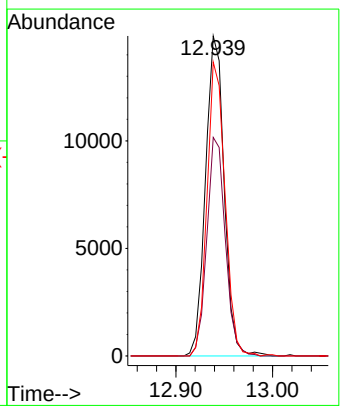


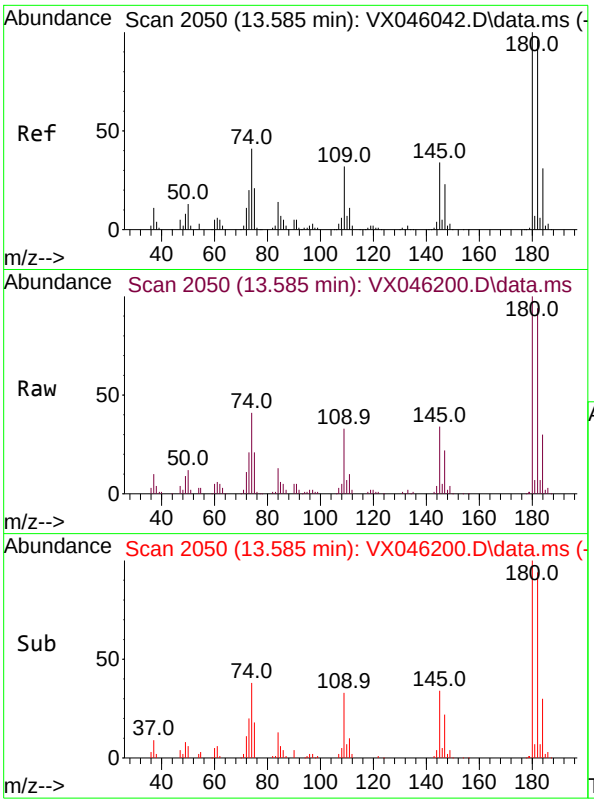


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.658 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 20011

Ion	Ratio	Lower	Upper
75	100		
155	67.3	34.9	104.8
157	88.4	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 50.990 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

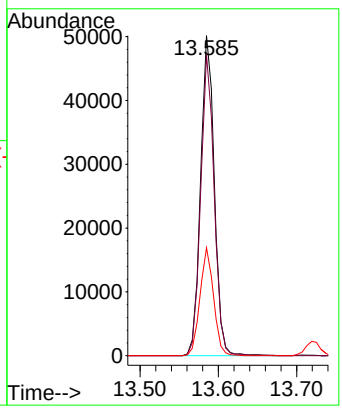
Tgt Ion:180 Resp: 6095

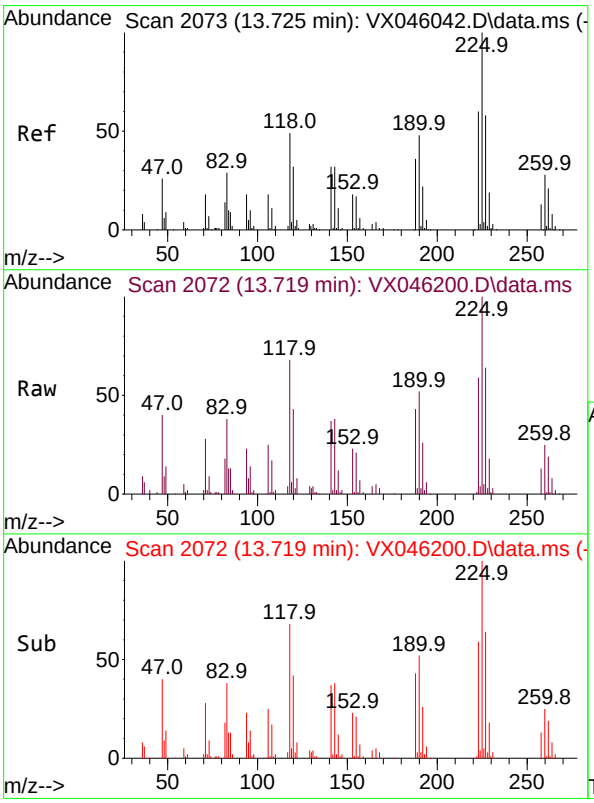
Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.9	143.8
145	33.4	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

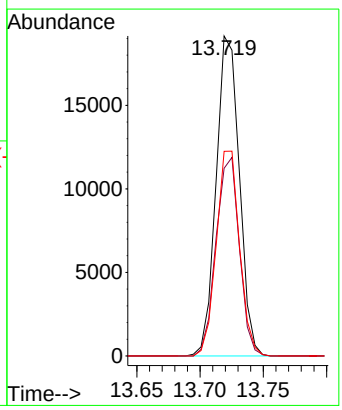


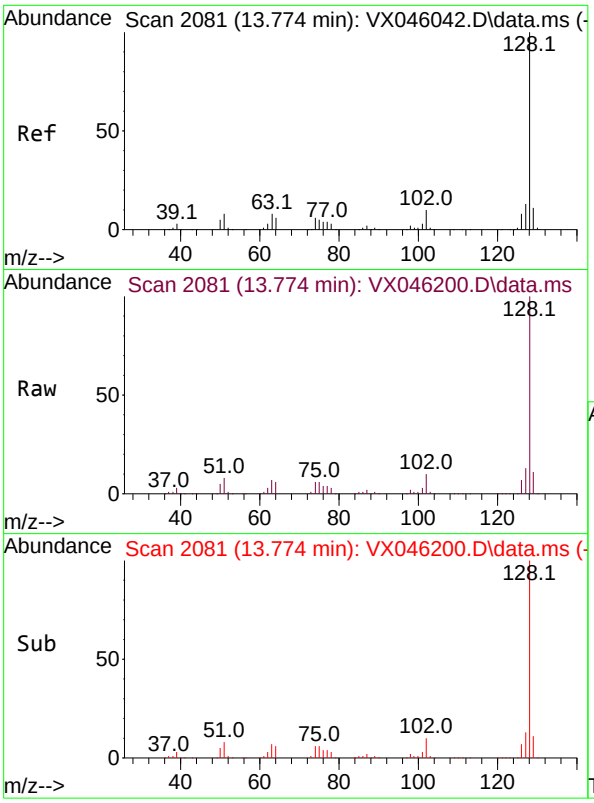


#94
Hexachlorobutadiene
Concen: 46.676 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:225 Resp: 24369

Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.8	92.4
227	64.2	30.9	92.7

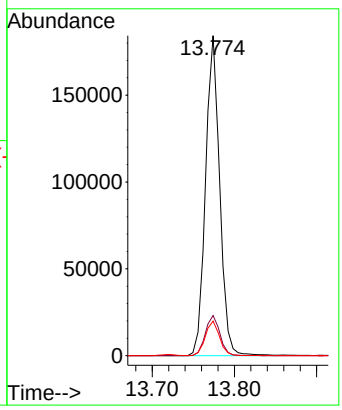




#95
Naphthalene
Concen: 50.155 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:128 Resp: 21989

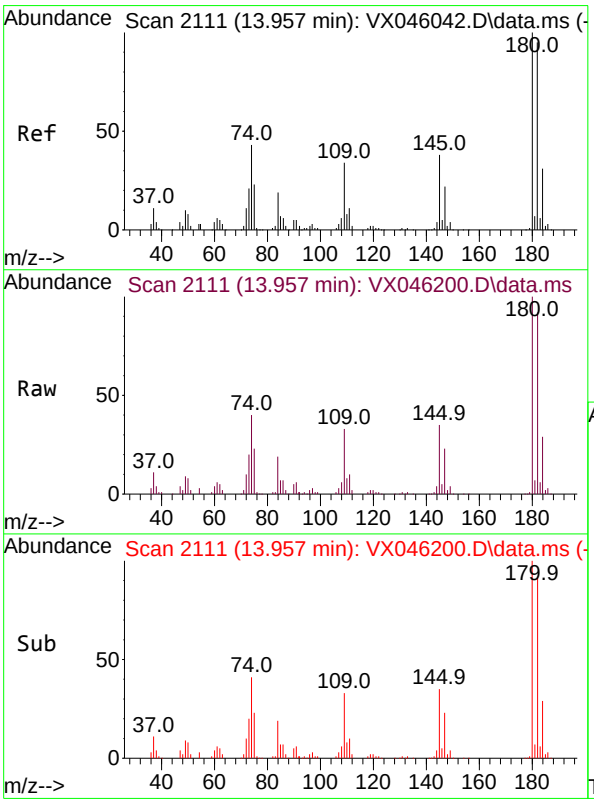
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

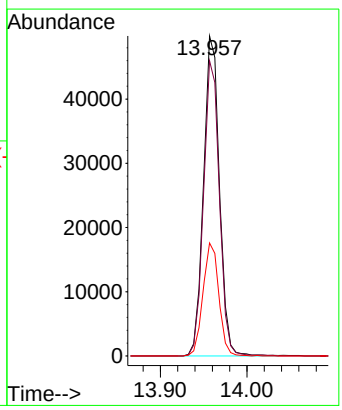
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.494 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:180 Resp: 63516

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.8	143.3
145	35.2	18.1	54.3



Evaluate Continuing Calibration Report

Sample Results: **VX046200.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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	82	0.00
2	T	Dichlorodifluoromethane	0.765	0.712	6.9	68	0.00
3	P	Chloromethane	0.742	0.714	3.8	76	0.00
4	C	Vinyl Chloride	0.691	0.611	11.6#	71	0.00
5	T	Bromomethane	0.320	0.287	10.3	73	0.00
6	T	Chloroethane	0.369	0.363	1.6	79	0.00
7	T	Trichlorofluoromethane	1.021	0.958	6.2	74	0.00
8	T	Diethyl Ether	0.347	0.357	-2.9	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.579	8.4	74	0.00
10	T	Methyl Iodide	0.747	0.701	6.2	71	0.00
11	T	Tert butyl alcohol	0.131	0.132	-0.8	84	0.00
12	CM	1,1-Dichloroethene	0.593	0.532	10.3#	73	0.00
13	T	Acrolein	0.149	0.217	-45.6#	117	0.00
14	T	Allyl chloride	1.133	1.162	-2.6	81	0.00
15	T	Acrylonitrile	0.374	0.401	-7.2	85	0.00
16	T	Acetone	0.374	0.380	-1.6	86	0.00
17	T	Carbon Disulfide	1.406	1.195	15.0	68	0.00
18	T	Methyl Acetate	0.867	0.998	-15.1	97	0.00
19	T	Methyl tert-butyl Ether	2.079	2.213	-6.4	84	0.00
20	T	Methylene Chloride	0.716	0.687	4.1	83	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.572	4.0	77	0.00
22	T	Diisopropyl ether	2.189	2.330	-6.4	84	0.00
23	T	Vinyl Acetate	1.925	2.086	-8.4	84	0.00
24	P	1,1-Dichloroethane	1.219	1.221	-0.2	80	0.00
25	T	2-Butanone	0.543	0.583	-7.4	86	0.00
26	T	2,2-Dichloropropane	0.954	0.916	4.0	79	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.727	-1.3	81	0.00
28	T	Bromochloromethane	0.587	0.603	-2.7	86	0.00
29	T	Tetrahydrofuran	0.340	0.366	-7.6	86	0.00
30	C	Chloroform	1.271	1.299	-2.2#	82	0.00
31	T	Cyclohexane	1.111	0.987	11.2	72	0.00
32	T	1,1,1-Trichloroethane	1.101	1.079	2.0	78	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.941	-1.0	85	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35	S	Dibromofluoromethane	0.360	0.366	-1.7	86	0.00
36	T	1,1-Dichloropropene	0.484	0.456	5.8	77	0.00
37	T	Ethyl Acetate	0.598	0.619	-3.5	85	0.00
38	T	Carbon Tetrachloride	0.544	0.510	6.3	76	0.00
39	T	Methylcyclohexane	0.623	0.559	10.3	73	0.00
40	TM	Benzene	1.417	1.399	1.3	79	0.00
41	T	Methacrylonitrile	0.313	0.355	-13.4	86	0.00
42	TM	1,2-Dichloroethane	0.612	0.634	-3.6	85	0.00
43	T	Isopropyl Acetate	0.912	0.983	-7.8	85	0.00
44	TM	Trichloroethene	0.341	0.328	3.8	77	0.00
45	C	1,2-Dichloropropane	0.352	0.371	-5.4#	83	0.00
46	T	Dibromomethane	0.278	0.291	-4.7	85	0.00
47	T	Bromodichloromethane	0.547	0.585	-6.9	85	0.00
48	T	Methyl methacrylate	0.466	0.510	-9.4	85	0.00

Sample Results: **VX046200.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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	86	0.00
50	S	Toluene-d8	1.246	1.215	2.5	83	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.671	-10.9	89	0.00
52	CM	Toluene	0.869	0.871	-0.2#	81	0.00
53	T	t-1,3-Dichloropropene	0.487	0.535	-9.9	85	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.583	-8.4	84	0.00
55	T	1,1,2-Trichloroethane	0.343	0.367	-7.0	87	0.00
56	T	Ethyl methacrylate	0.546	0.614	-12.5	86	0.00
57	T	1,3-Dichloropropane	0.615	0.645	-4.9	87	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.304	-9.4	83	0.00
59	T	2-Hexanone	0.448	0.501	-11.8	89	0.00
60	T	Dibromochloromethane	0.376	0.418	-11.2	87	0.00
61	T	1,2-Dibromoethane	0.356	0.381	-7.0	86	0.00
62	S	4-Bromofluorobenzene	0.478	0.492	-2.9	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.354	0.326	7.9	76	0.00
65	PM	Chlorobenzene	1.094	1.065	2.7	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.377	-0.8	84	0.00
67	C	Ethyl Benzene	1.929	1.871	3.0#	81	0.00
68	T	m/p-Xylenes	0.706	0.693	1.8	82	0.00
69	T	o-Xylene	0.688	0.686	0.3	82	0.00
70	T	Styrene	1.127	1.188	-5.4	85	0.00
71	P	Bromoform	0.281	0.301	-7.1	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.893	3.674	5.6	82	0.00
74	T	N-amyl acetate	1.924	1.942	-0.9	87	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.329	2.6	92	0.00
76	T	1,2,3-Trichloropropane	1.204	1.179	2.1	92	0.00
77	T	Bromobenzene	0.904	0.882	2.4	88	0.00
78	T	n-propylbenzene	4.526	4.292	5.2	82	0.00
79	T	2-Chlorotoluene	2.919	2.722	6.7	84	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.168	2.6	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	87	0.00
82	T	4-Chlorotoluene	3.238	3.180	1.8	86	0.00
83	T	tert-Butylbenzene	3.276	3.133	4.4	84	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.255	1.2	85	0.00
85	T	sec-Butylbenzene	4.022	3.868	3.8	84	0.00
86	T	p-Isopropyltoluene	3.320	3.221	3.0	84	0.00
87	T	1,3-Dichlorobenzene	1.649	1.630	1.2	89	0.00
88	T	1,4-Dichlorobenzene	1.684	1.628	3.3	89	0.00
89	T	n-Butylbenzene	2.912	2.872	1.4	84	0.00
90	T	Hexachloroethane	0.585	0.569	2.7	85	0.00
91	T	1,2-Dichlorobenzene	1.655	1.656	-0.1	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.318	-5.3	91	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.969	-1.9	91	0.00
94	T	Hexachlorobutadiene	0.415	0.388	6.5	84	0.00
95	T	Naphthalene	3.487	3.497	-0.3	90	0.00

Sample Results: **VX046200.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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	1.010	-3.0	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX046200.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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	82	0.00
2	T	Dichlorodifluoromethane	50.000	46.505	7.0	68	0.00
3	P	Chloromethane	50.000	48.137	3.7	76	0.00
4	C	Vinyl Chloride	50.000	44.248	11.5#	71	0.00
5	T	Bromomethane	50.000	44.869	10.3	73	0.00
6	T	Chloroethane	50.000	49.195	1.6	79	0.00
7	T	Trichlorofluoromethane	50.000	46.949	6.1	74	0.00
8	T	Diethyl Ether	50.000	51.386	-2.8	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.860	8.3	74	0.00
10	T	Methyl Iodide	50.000	46.879	6.2	71	0.00
11	T	Tert butyl alcohol	250.000	252.367	-0.9	84	0.00
12	CM	1,1-Dichloroethene	50.000	44.844	10.3#	73	0.00
13	T	Acrolein	250.000	363.413	-45.4#	117	0.00
14	T	Allyl chloride	50.000	51.271	-2.5	81	0.00
15	T	Acrylonitrile	250.000	267.618	-7.0	85	0.00
16	T	Acetone	250.000	253.932	-1.6	86	0.00
17	T	Carbon Disulfide	50.000	42.518	15.0	68	0.00
18	T	Methyl Acetate	50.000	57.561	-15.1	97	0.00
19	T	Methyl tert-butyl Ether	50.000	53.240	-6.5	84	0.00
20	T	Methylene Chloride	50.000	47.986	4.0	83	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.945	4.1	77	0.00
22	T	Diisopropyl ether	50.000	53.235	-6.5	84	0.00
23	T	Vinyl Acetate	250.000	270.938	-8.4	84	0.00
24	P	1,1-Dichloroethane	50.000	50.084	-0.2	80	0.00
25	T	2-Butanone	250.000	268.650	-7.5	86	0.00
26	T	2,2-Dichloropropane	50.000	48.010	4.0	79	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.657	-1.3	81	0.00
28	T	Bromochloromethane	50.000	51.418	-2.8	86	0.00
29	T	Tetrahydrofuran	250.000	268.925	-7.6	86	0.00
30	C	Chloroform	50.000	51.119	-2.2#	82	0.00
31	T	Cyclohexane	50.000	44.439	11.1	72	0.00
32	T	1,1,1-Trichloroethane	50.000	48.968	2.1	78	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.459	-0.9	85	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35	S	Dibromofluoromethane	50.000	50.790	-1.6	86	0.00
36	T	1,1-Dichloropropene	50.000	47.085	5.8	77	0.00
37	T	Ethyl Acetate	50.000	51.772	-3.5	85	0.00
38	T	Carbon Tetrachloride	50.000	46.917	6.2	76	0.00
39	T	Methylcyclohexane	50.000	44.850	10.3	73	0.00
40	TM	Benzene	50.000	49.356	1.3	79	0.00
41	T	Methacrylonitrile	50.000	56.711	-13.4	86	0.00
42	TM	1,2-Dichloroethane	50.000	51.827	-3.7	85	0.00
43	T	Isopropyl Acetate	50.000	53.921	-7.8	85	0.00
44	TM	Trichloroethene	50.000	48.134	3.7	77	0.00
45	C	1,2-Dichloropropane	50.000	52.609	-5.2#	83	0.00
46	T	Dibromomethane	50.000	52.296	-4.6	85	0.00
47	T	Bromodichloromethane	50.000	53.445	-6.9	85	0.00
48	T	Methyl methacrylate	50.000	54.783	-9.6	85	0.00

Sample Results: **VX046200.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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	1060.072	-6.0	86	0.00
50	S	Toluene-d8	50.000	48.757	2.5	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	277.135	-10.9	89	0.00
52	CM	Toluene	50.000	50.134	-0.3#	81	0.00
53	T	t-1,3-Dichloropropene	50.000	54.955	-9.9	85	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.175	-8.3	84	0.00
55	T	1,1,2-Trichloroethane	50.000	53.511	-7.0	87	0.00
56	T	Ethyl methacrylate	50.000	56.258	-12.5	86	0.00
57	T	1,3-Dichloropropane	50.000	52.400	-4.8	87	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	273.403	-9.4	83	0.00
59	T	2-Hexanone	250.000	279.654	-11.9	89	0.00
60	T	Dibromochloromethane	50.000	55.578	-11.2	87	0.00
61	T	1,2-Dibromoethane	50.000	53.537	-7.1	86	0.00
62	S	4-Bromofluorobenzene	50.000	51.414	-2.8	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	46.025	8.0	76	0.00
65	PM	Chlorobenzene	50.000	48.673	2.7	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.472	-0.9	84	0.00
67	C	Ethyl Benzene	50.000	48.501	3.0#	81	0.00
68	T	m/p-Xylenes	100.000	98.275	1.7	82	0.00
69	T	o-Xylene	50.000	49.886	0.2	82	0.00
70	T	Styrene	50.000	52.738	-5.5	85	0.00
71	P	Bromoform	50.000	53.725	-7.5	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	47.190	5.6	82	0.00
74	T	N-amyl acetate	50.000	50.481	-1.0	87	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.729	2.5	92	0.00
76	T	1,2,3-Trichloropropane	50.000	48.998	2.0	92	0.00
77	T	Bromobenzene	50.000	48.804	2.4	88	0.00
78	T	n-propylbenzene	50.000	47.411	5.2	82	0.00
79	T	2-Chlorotoluene	50.000	46.619	6.8	84	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.706	2.6	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.180	1.6	87	0.00
82	T	4-Chlorotoluene	50.000	49.106	1.8	86	0.00
83	T	tert-Butylbenzene	50.000	47.815	4.4	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.424	1.2	85	0.00
85	T	sec-Butylbenzene	50.000	48.084	3.8	84	0.00
86	T	p-Isopropyltoluene	50.000	48.515	3.0	84	0.00
87	T	1,3-Dichlorobenzene	50.000	49.424	1.2	89	0.00
88	T	1,4-Dichlorobenzene	50.000	48.327	3.3	89	0.00
89	T	n-Butylbenzene	50.000	49.306	1.4	84	0.00
90	T	Hexachloroethane	50.000	48.648	2.7	85	0.00
91	T	1,2-Dichlorobenzene	50.000	50.026	-0.1	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.658	-5.3	91	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.990	-2.0	91	0.00
94	T	Hexachlorobutadiene	50.000	46.676	6.6	84	0.00
95	T	Naphthalene	50.000	50.155	-0.3	90	0.00

Sample Results: **VX046200.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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	51.494	-3.0	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX046226.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2050 SAS No.: Q2050 SDG No.: Q2050

Instrument ID: MSVOA_X Calibration Date/Time: 05/15/2025 20:01

Lab File ID: VX046226.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	0.751	0.1	1.21	50
Vinyl Chloride	0.691	0.688		-0.43	50
Bromomethane	0.320	0.304		-5	50
Chloroethane	0.369	0.380		2.98	50
Trichlorofluoromethane	1.021	1.042		2.06	50
1,1,2-Trichlorotrifluoroethane	0.632	0.632		0	50
1,1-Dichloroethene	0.593	0.583		-1.69	50
Acetone	0.374	0.390		4.28	50
Carbon Disulfide	1.406	1.298		-7.68	50
Methyl tert-butyl Ether	2.079	2.200		5.82	50
Methylene Chloride	0.716	0.691		-3.49	50
trans-1,2-Dichloroethene	0.596	0.592		-0.67	50
1,1-Dichloroethane	1.219	1.261	0.1	3.44	50
2-Butanone	0.543	0.593		9.21	50
Carbon Tetrachloride	0.544	0.552		1.47	50
cis-1,2-Dichloroethene	0.718	0.724		0.84	50
Chloroform	1.271	1.306		2.75	50
1,1,1-Trichloroethane	1.101	1.149		4.36	50
Methylcyclohexane	0.623	0.600		-3.69	50
Benzene	1.417	1.453		2.54	50
1,2-Dichloroethane	0.612	0.624		1.96	50
Trichloroethene	0.341	0.339		-0.59	50
1,2-Dichloropropane	0.352	0.379		7.67	50
Bromodichloromethane	0.547	0.579		5.85	50
4-Methyl-2-Pentanone	0.605	0.676		11.74	50
Toluene	0.869	0.895		2.99	50
t-1,3-Dichloropropene	0.487	0.511		4.93	50
cis-1,3-Dichloropropene	0.538	0.563		4.65	50
1,1,2-Trichloroethane	0.343	0.367		7	50
2-Hexanone	0.448	0.498		11.16	50
Dibromochloromethane	0.376	0.408		8.51	50
Tetrachloroethene	0.354	0.324		-8.48	50
Chlorobenzene	1.094	1.101	0.3	0.64	50
Ethyl Benzene	1.929	2.000		3.68	50
m/p-Xylenes	0.706	0.733		3.82	50
o-Xylene	0.688	0.721		4.8	50
Styrene	1.127	1.224		8.61	50
Bromoform	0.281	0.290	0.1	3.2	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.: Q2050 SAS No.: Q2050 SDG No.: Q2050

Instrument ID: MSVOA_X Calibration Date/Time: 05/15/2025 20:01

Lab File ID: VX046226.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	4.011		3.03	50
1,1,2,2-Tetrachloroethane	1.364	1.352	0.3	-0.88	50
1,3-Dichlorobenzene	1.649	1.651		0.12	50
1,4-Dichlorobenzene	1.684	1.597		-5.17	50
1,2-Dichlorobenzene	1.655	1.632		-1.39	50
1,2-Dichloroethane-d4	0.932	0.923		-0.97	50
Dibromofluoromethane	0.360	0.369		2.5	50
Toluene-d8	1.246	1.242		-0.32	50
4-Bromofluorobenzene	0.478	0.482		0.84	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VX046226.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Quant Time: May 16 01:11:30 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	87132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153172	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80462	49.533	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.060%			
35) Dibromofluoromethane	5.379	113	56488	51.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	8.647	98	190215	49.825	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.660%			
62) 4-Bromofluorobenzene	11.079	95	73881	50.452	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	68689	51.506	ug/l	99
3) Chloromethane	1.307	50	65396	50.566	ug/l	100
4) Vinyl Chloride	1.374	62	59956	49.812	ug/l	99
5) Bromomethane	1.593	94	26454	47.386	ug/l	97
6) Chloroethane	1.666	64	33137	51.571	ug/l	94
7) Trichlorofluoromethane	1.874	101	90755	51.019	ug/l	99
8) Diethyl Ether	2.136	74	30135	49.764	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	55036	49.994	ug/l	99
10) Methyl Iodide	2.447	142	64191	49.279	ug/l	99
11) Tert butyl alcohol	2.983	59	60709	266.245	ug/l	99
12) 1,1-Dichloroethene	2.306	96	50790	49.159	ug/l	94
13) Acrolein	2.239	56	79460	305.994	ug/l	99
14) Allyl chloride	2.660	41	102961	52.143	ug/l	97
15) Acrylonitrile	3.069	53	178286	273.442	ug/l	99
16) Acetone	2.386	43	170078	261.130	ug/l	100
17) Carbon Disulfide	2.502	76	113076	46.164	ug/l	99
18) Methyl Acetate	2.703	43	90676	59.995	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	191729	52.931	ug/l	99
20) Methylene Chloride	2.782	84	60172	48.210	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	51589	49.652	ug/l	98
22) Diisopropyl ether	3.764	45	205399	53.851	ug/l	92
23) Vinyl Acetate	3.721	43	905459	269.908	ug/l	100
24) 1,1-Dichloroethane	3.605	63	109909	51.736	ug/l	100
25) 2-Butanone	4.556	43	258178	273.039	ug/l	100
26) 2,2-Dichloropropane	4.465	77	73212	44.030	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	63102	50.450	ug/l	100
28) Bromochloromethane	4.891	49	53376	52.197	ug/l	99
29) Tetrahydrofuran	5.007	42	161875	273.198	ug/l	99
30) Chloroform	5.086	83	113805	51.396	ug/l	95
31) Cyclohexane	5.464	56	96406	49.799	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	100089	52.144	ug/l	98
36) 1,1-Dichloropropene	5.684	75	73342	49.489	ug/l	99
37) Ethyl Acetate	4.708	43	94986	51.877	ug/l	99
38) Carbon Tetrachloride	5.672	117	84481	50.735	ug/l	99
39) Methylcyclohexane	7.373	83	91917	48.176	ug/l	97
40) Benzene	6.031	78	222602	51.280	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 16 01:11:30 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 :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	54623	57.029	ug/l		99
42) 1,2-Dichloroethane	6.086	62	95618	51.037	ug/l		100
43) Isopropyl Acetate	6.336	43	151413	54.206	ug/l		99
44) Trichloroethene	7.123	130	51997	49.769	ug/l		99
45) 1,2-Dichloropropane	7.428	63	58027	53.759	ug/l		97
46) Dibromomethane	7.574	93	43359	50.931	ug/l		99
47) Bromodichloromethane	7.818	83	88719	52.911	ug/l		97
48) Methyl methacrylate	7.690	41	80579	56.485	ug/l		98
49) 1,4-Dioxane	7.659	88	29460	1087.625	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	517553	279.132	ug/l		99
52) Toluene	8.714	92	137133	51.520	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	78297	52.535	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	86203	52.332	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	56239	53.584	ug/l		98
56) Ethyl methacrylate	9.116	69	94798	56.672	ug/l		99
57) 1,3-Dichloropropane	9.305	76	96673	51.288	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	238687	279.889	ug/l		100
59) 2-Hexanone	9.427	43	381749	278.290	ug/l		99
60) Dibromochloromethane	9.519	129	62486	54.211	ug/l		100
61) 1,2-Dibromoethane	9.610	107	57860	53.041	ug/l		96
64) Tetrachloroethene	9.269	164	44046	45.780	ug/l		96
65) Chlorobenzene	10.073	112	149740	50.311	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	52436	51.595	ug/l		99
67) Ethyl Benzene	10.189	91	271996	51.845	ug/l		99
68) m/p-Xylenes	10.299	106	199216	103.822	ug/l		98
69) o-Xylene	10.640	106	98098	52.440	ug/l		97
70) Styrene	10.653	104	166504	54.336	ug/l		100
71) Bromoform	10.799	173	39424	51.668	ug/l	#	97
73) Isopropylbenzene	10.957	105	262316	51.524	ug/l		99
74) N-amyl acetate	10.842	43	133496	53.064	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	88427	49.564	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	76589m	48.657	ug/l		
77) Bromobenzene	11.195	156	59157	50.050	ug/l		99
78) n-propylbenzene	11.299	91	308726	52.153	ug/l		100
79) 2-Chlorotoluene	11.360	91	190066	49.779	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	224463	52.774	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23227	48.041	ug/l		98
82) 4-Chlorotoluene	11.451	91	217944	51.472	ug/l		100
83) tert-Butylbenzene	11.713	119	221462	51.692	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	225045	52.248	ug/l		99
85) sec-Butylbenzene	11.890	105	271707	51.652	ug/l		99
86) p-Isopropyltoluene	12.006	119	225717	51.984	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	107982	50.058	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	104457	47.416	ug/l		97
89) n-Butylbenzene	12.329	91	193388	50.775	ug/l		99
90) Hexachloroethane	12.536	117	39067	51.070	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	106729	49.305	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20462	51.771	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	59353	47.738	ug/l		99
94) Hexachlorobutadiene	13.719	225	26319	48.470	ug/l		99
95) Naphthalene	13.774	128	229594	50.350	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	63523	49.516	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 16 01:11:30 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 :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

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

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

Sample Results: **VX046226.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 16 01:11:30 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

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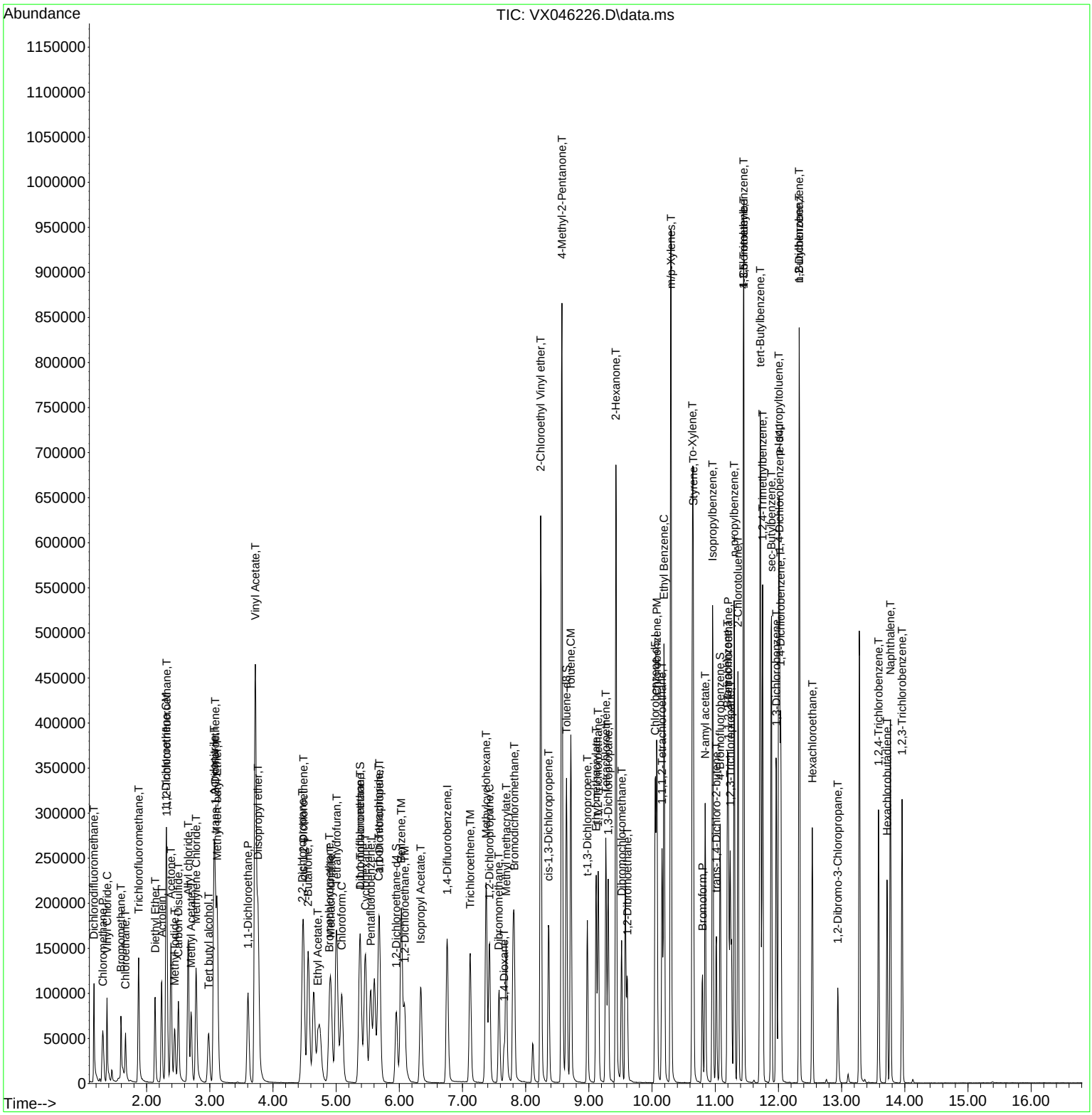
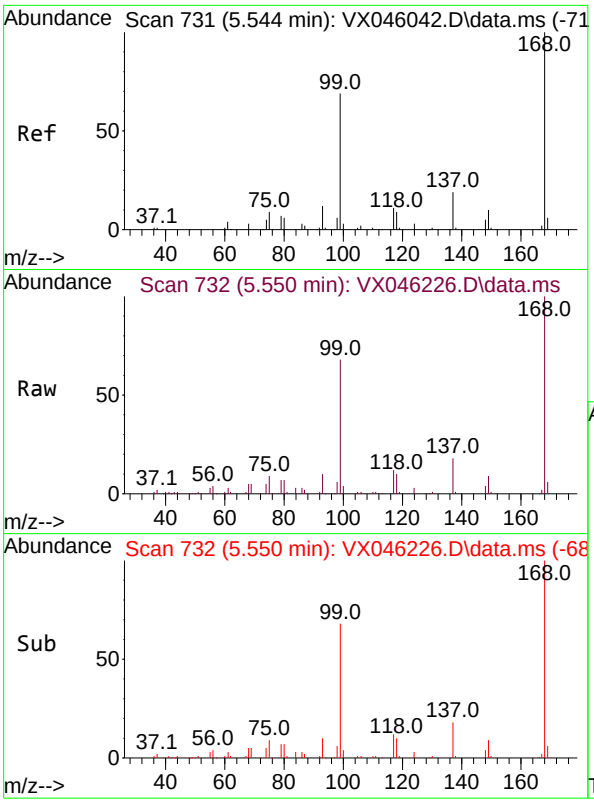
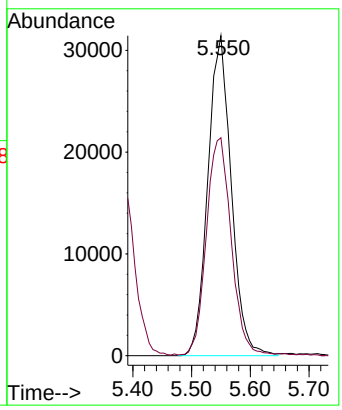




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:168 Resp: 8713

Ion	Ratio	Lower	Upper
168	100		
99	67.8	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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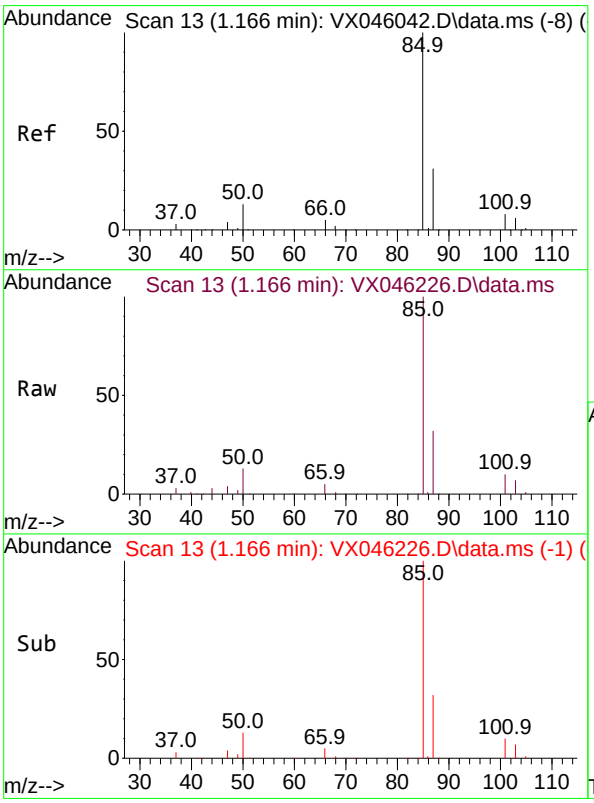
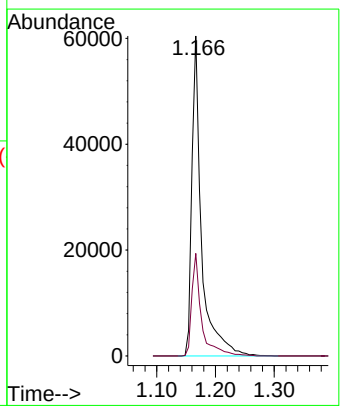
Supervised By :Mahesh Dadoda 05/16/2025

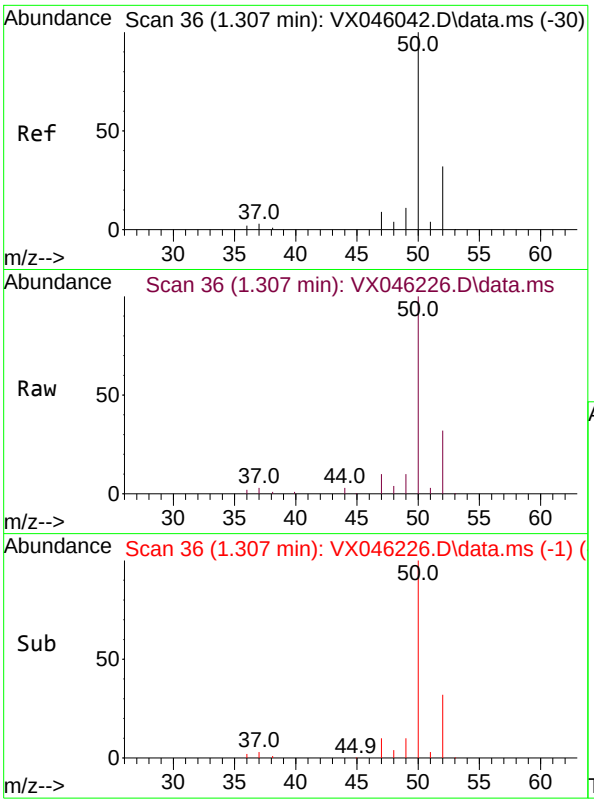


#2
Dichlorodifluoromethane
Concen: 51.506 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 85 Resp: 68689

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.1

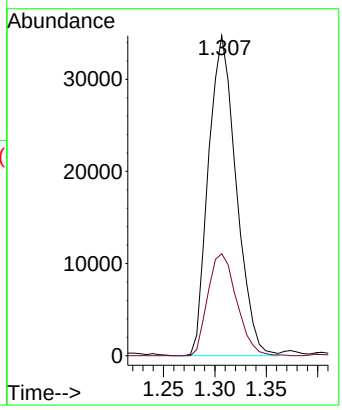




#3
Chloromethane
Concen: 50.566 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 50 Resp: 6539

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Semsettin Yesilyurt 05/16/2025
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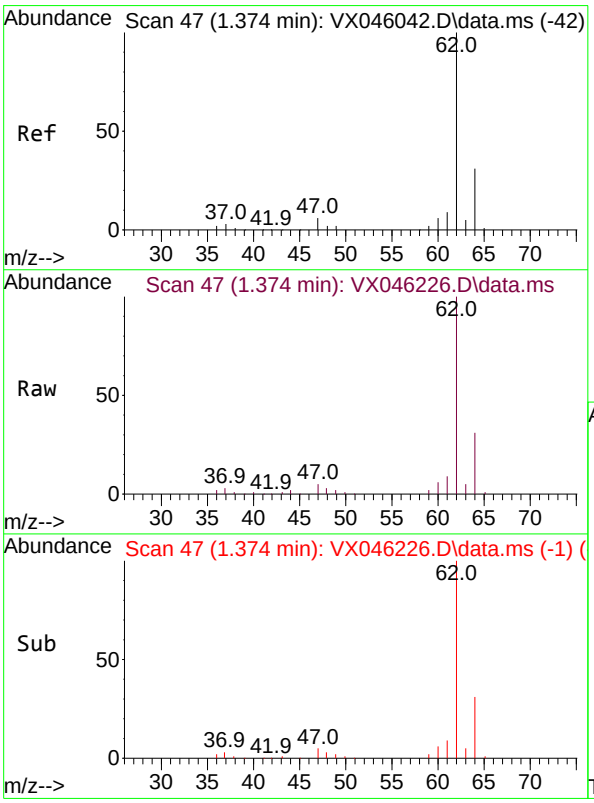
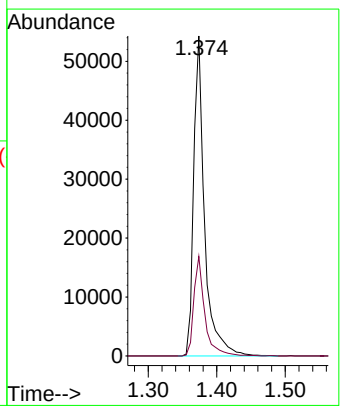
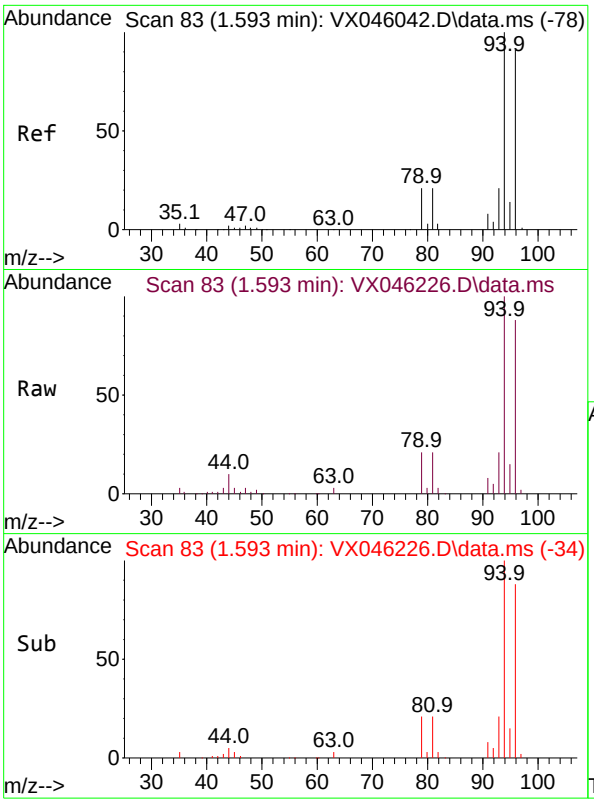


#4
Vinyl Chloride
Concen: 49.812 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 62 Resp: 59956

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.2	37.8

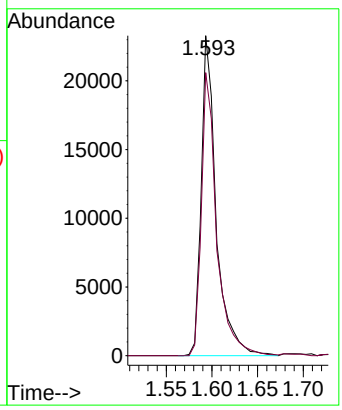




#5
Bromomethane
Concen: 47.386 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 94 Resp: 2645

Ion	Ratio	Lower	Upper
94	100		
96	88.5	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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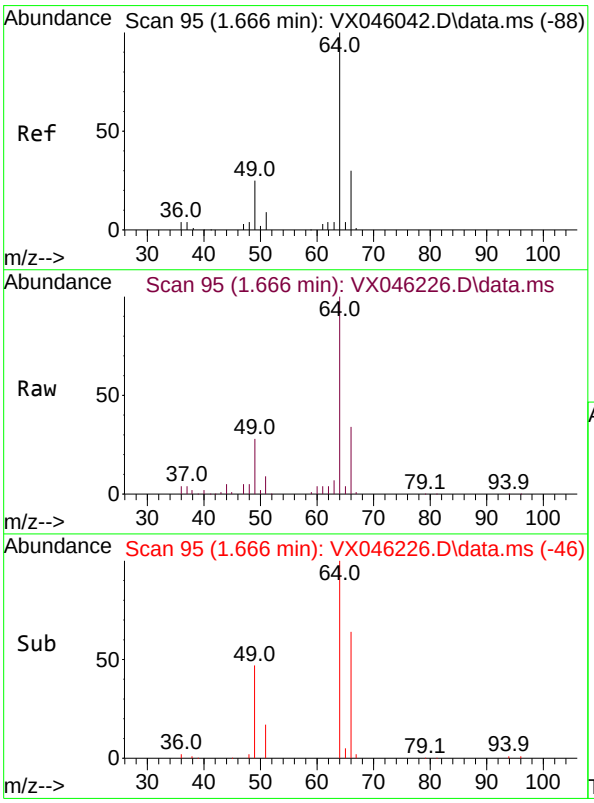
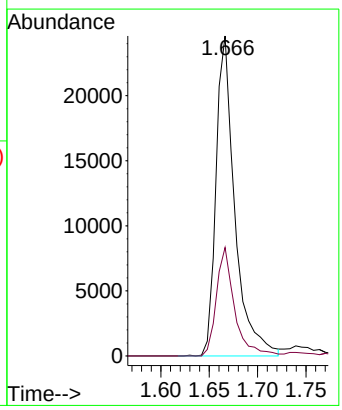
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

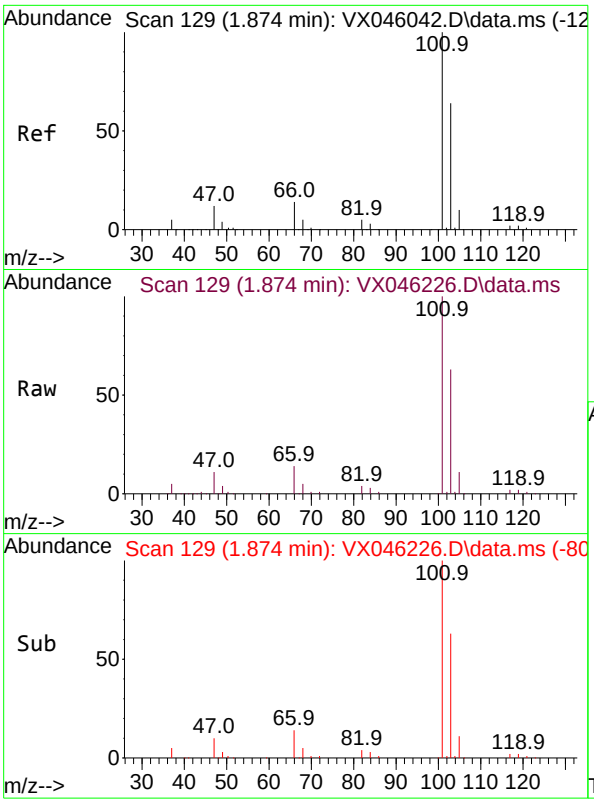


#6
Chloroethane
Concen: 51.571 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 64 Resp: 33137

Ion	Ratio	Lower	Upper
64	100		
66	33.9	24.3	36.5

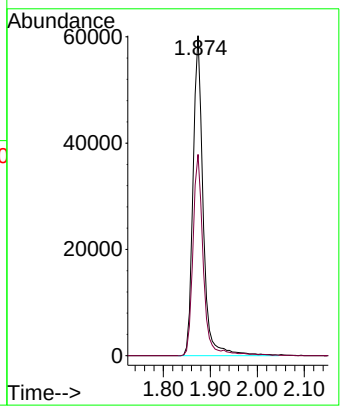




#7
Trichlorofluoromethane
Concen: 51.019 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:101 Resp: 9075

Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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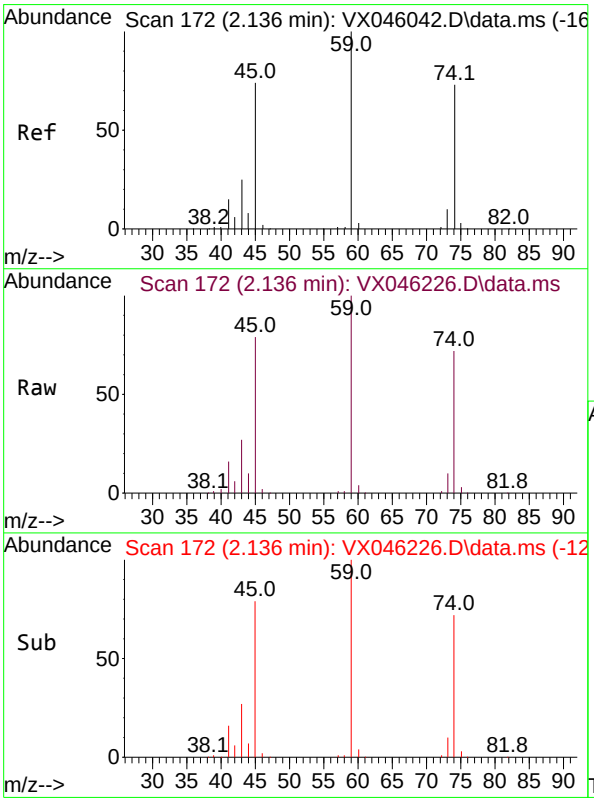
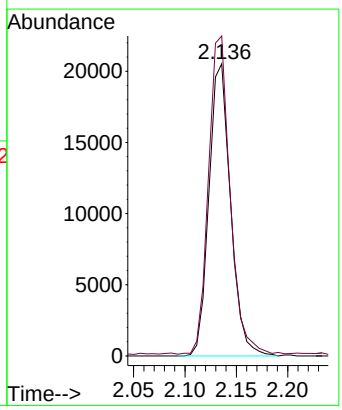
Supervised By :Mahesh Dadoda 05/16/2025

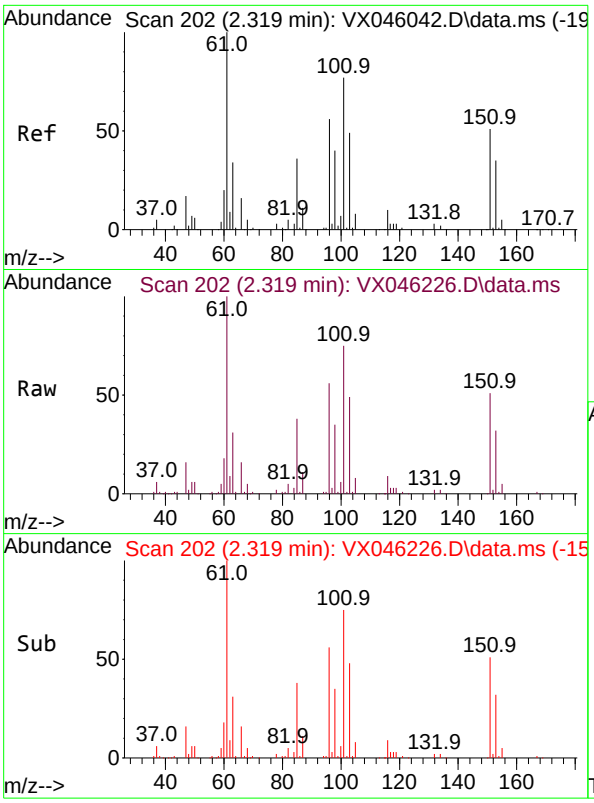


#8
Diethyl Ether
Concen: 49.764 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 74 Resp: 30135

Ion	Ratio	Lower	Upper
74	100		
45	108.6	54.9	164.8

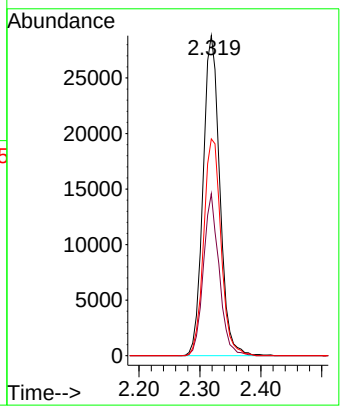




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.994 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:101 Resp: 5503(

Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.6	58.0
151	69.9	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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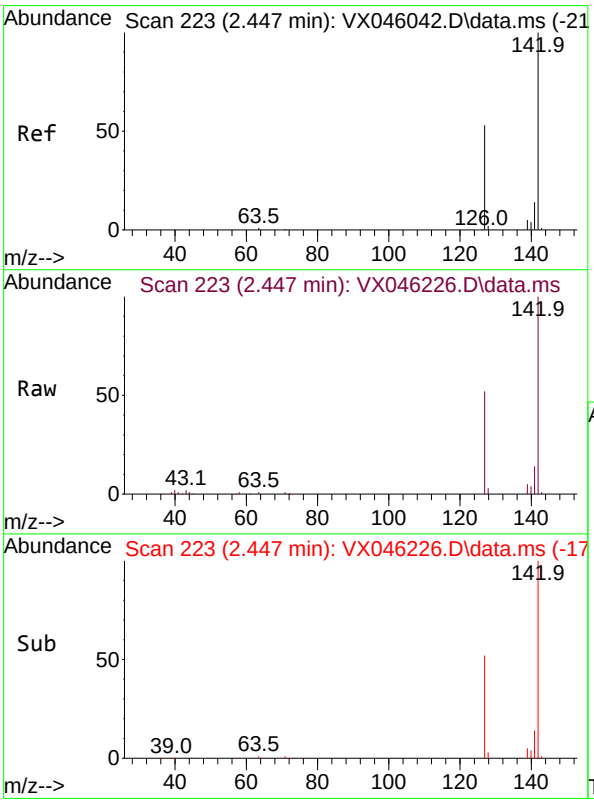
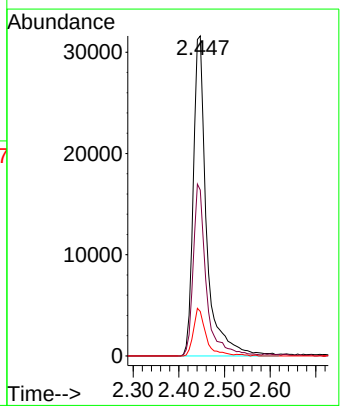
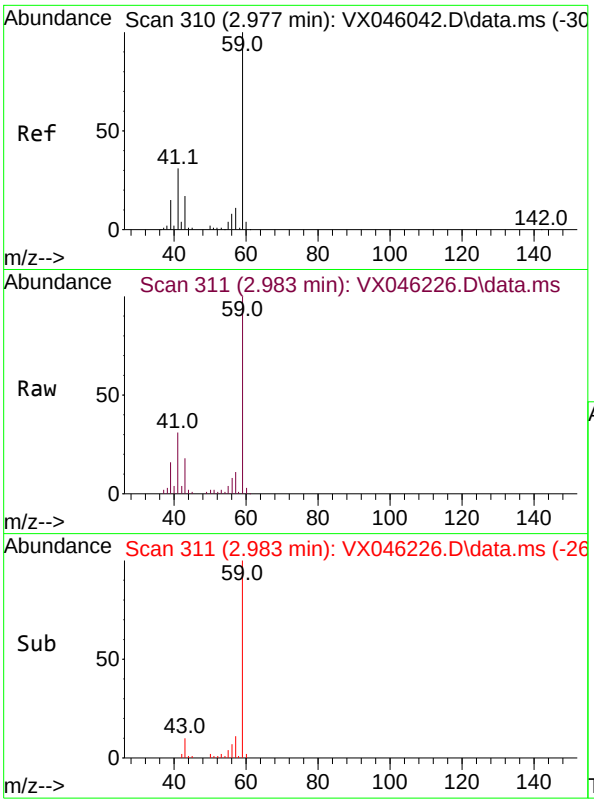


#10
Methyl Iodide
Concen: 49.279 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:142 Resp: 64191

Ion	Ratio	Lower	Upper
142	100		
127	52.7	41.7	62.5
141	13.9	11.5	17.3





#11
Tert butyl alcohol
Concen: 266.245 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 59 Resp: 6070

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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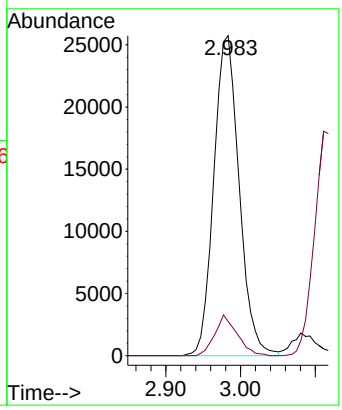
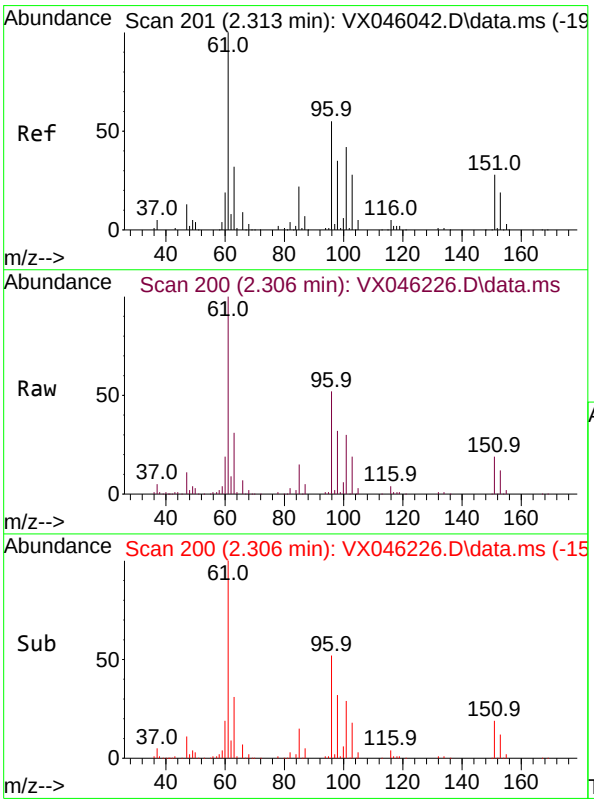
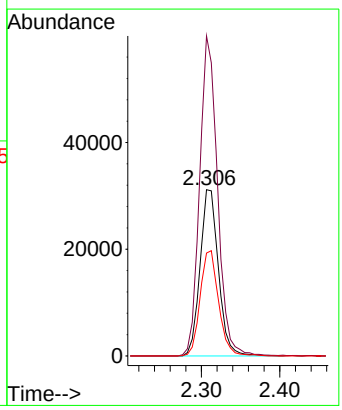


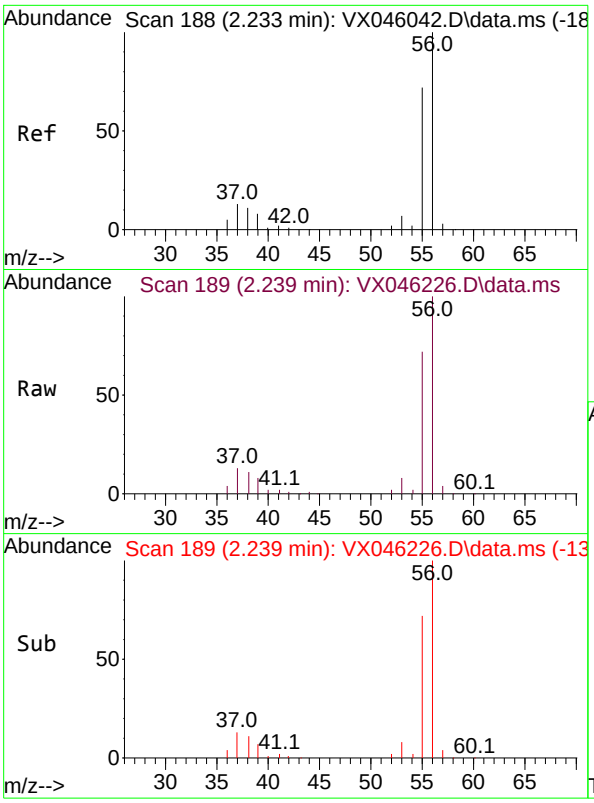


#12
1,1-Dichloroethene
Concen: 49.159 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 96 Resp: 50790

Ion	Ratio	Lower	Upper
96	100		
61	192.5	146.2	219.2
98	61.8	51.0	76.6

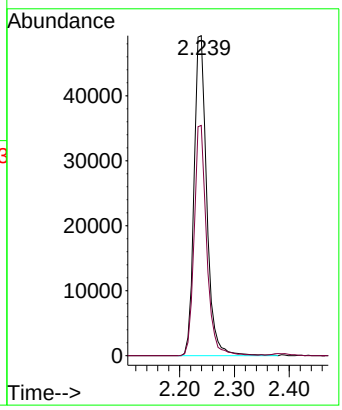




#13
Acrolein
Concen: 305.994 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 56 Resp: 7946

Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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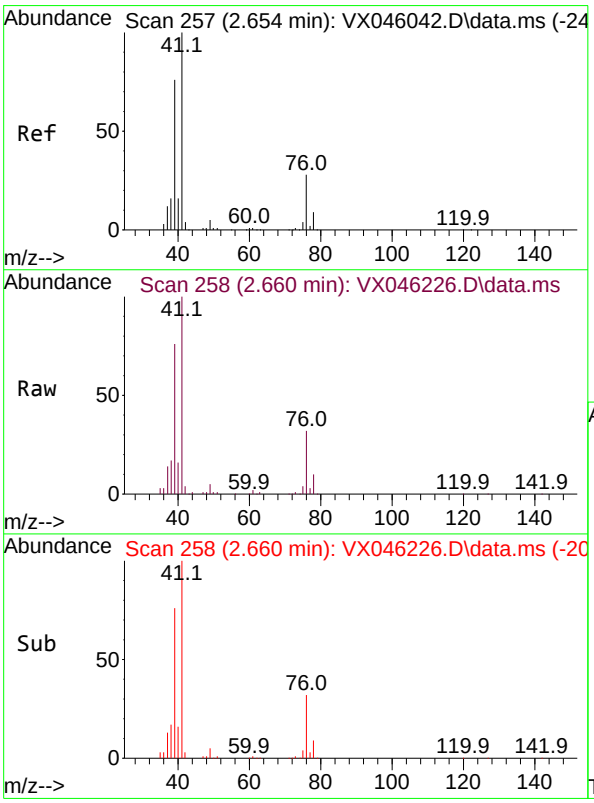
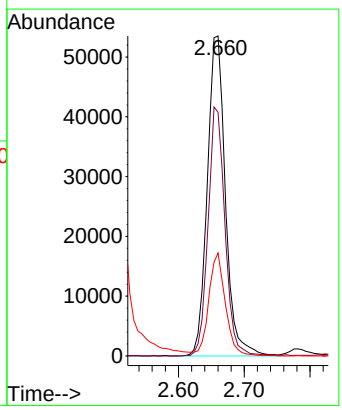
Supervised By :Mahesh Dadoda 05/16/2025

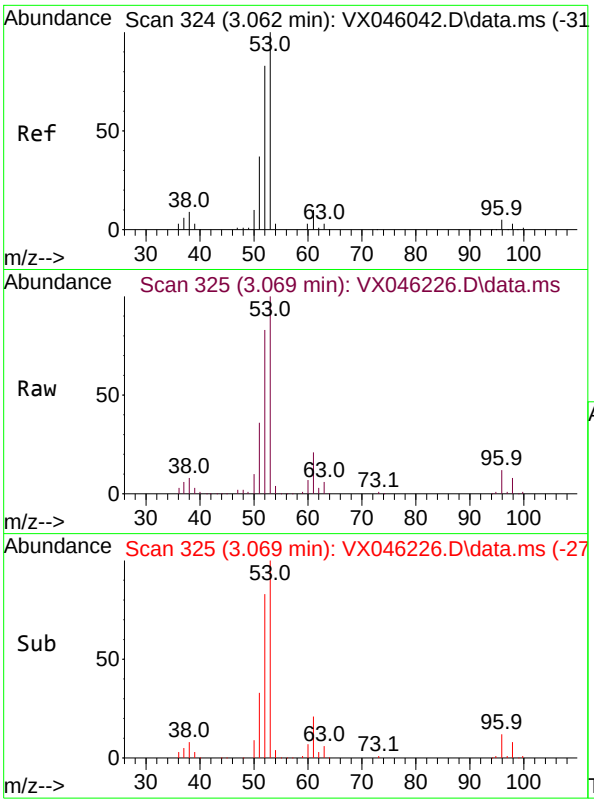


#14
Allyl chloride
Concen: 52.143 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 41 Resp: 102961

Ion	Ratio	Lower	Upper
41	100		
39	72.5	60.6	90.8
76	29.7	24.9	37.3

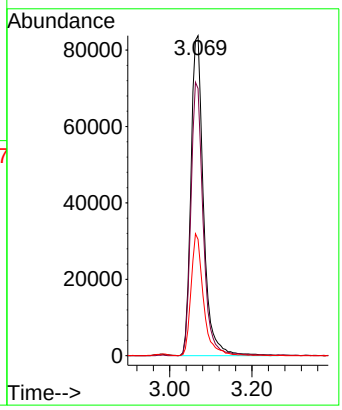




#15
Acrylonitrile
Concen: 273.442 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 53 Resp: 17828

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.3	97.9
51	37.7	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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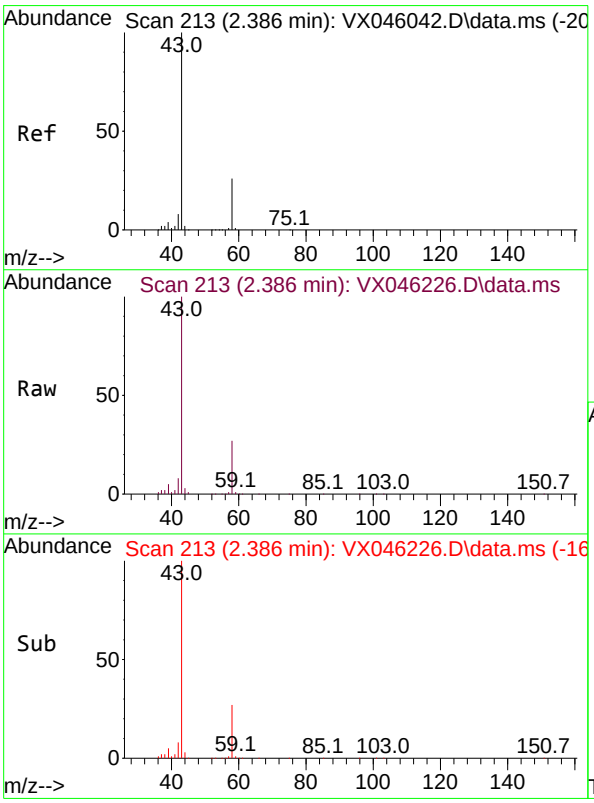
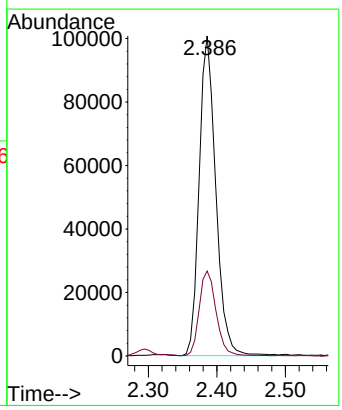
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

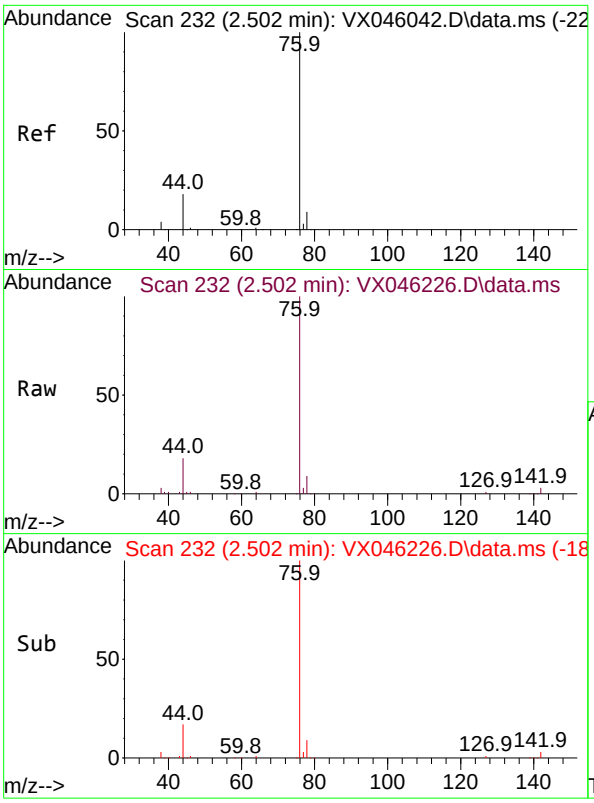


#16
Acetone
Concen: 261.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 170078

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





#17
Carbon Disulfide
Concen: 46.164 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 76 Resp: 11307

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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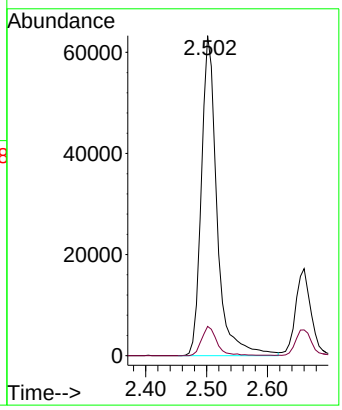
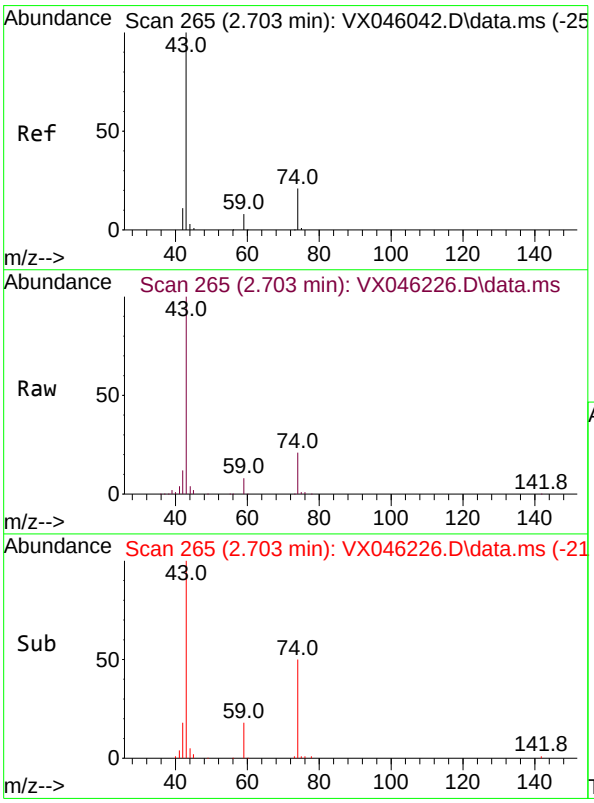
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

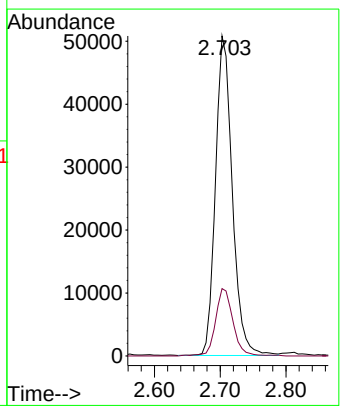


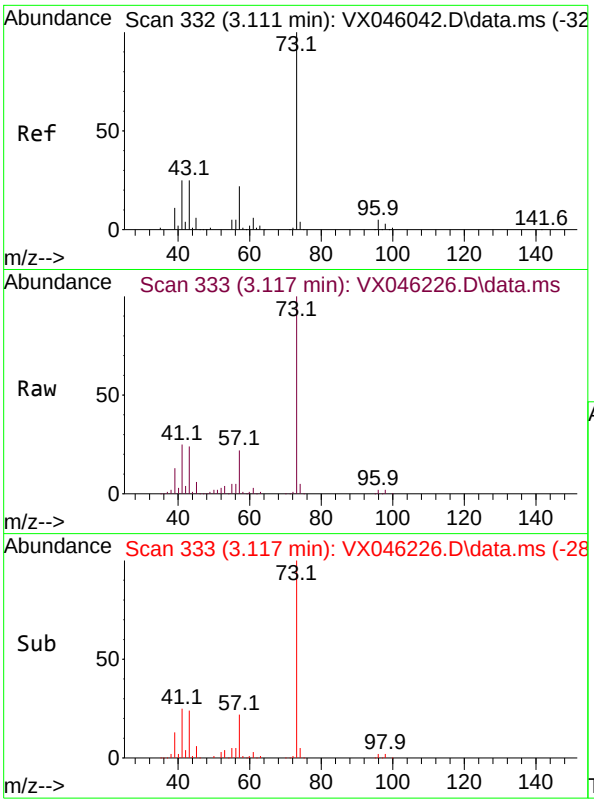


#18
Methyl Acetate
Concen: 59.995 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 90676

Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.7	25.1

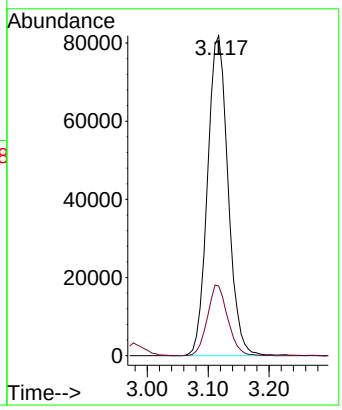




#19
Methyl tert-butyl Ether
Concen: 52.931 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 73 Resp: 19172

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
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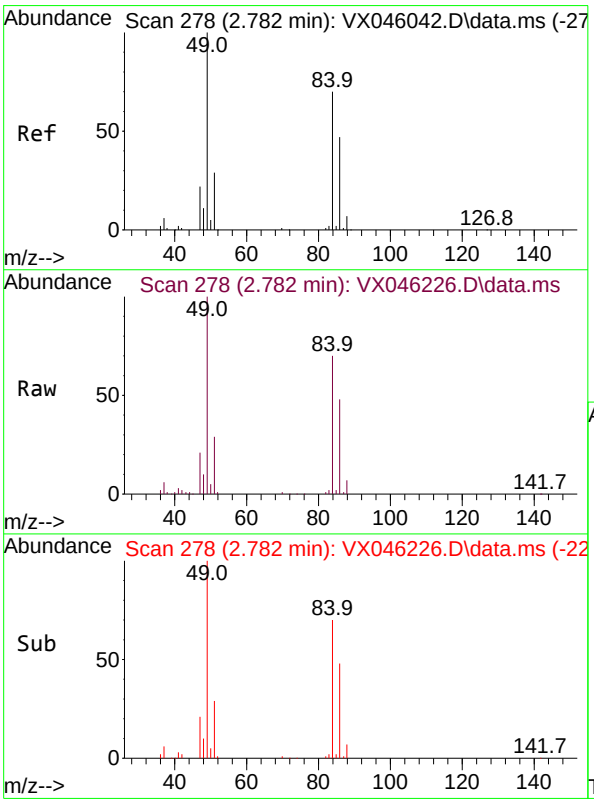
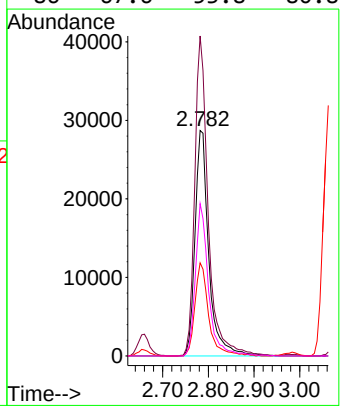
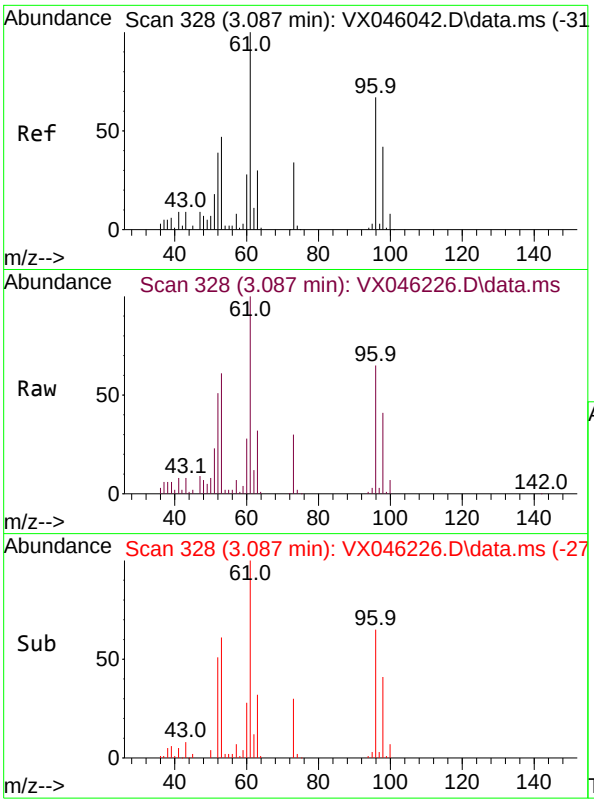


#20
Methylene Chloride
Concen: 48.210 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 84 Resp: 60172

Ion	Ratio	Lower	Upper
84	100		
49	142.0	113.9	170.9
51	41.4	33.5	50.3
86	67.6	53.8	80.8

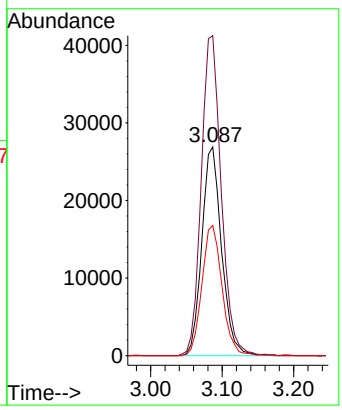




#21
trans-1,2-Dichloroethene
Concen: 49.652 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 96 Resp: 5158

Ion	Ratio	Lower	Upper
96	100		
61	153.2	119.5	179.3
98	62.3	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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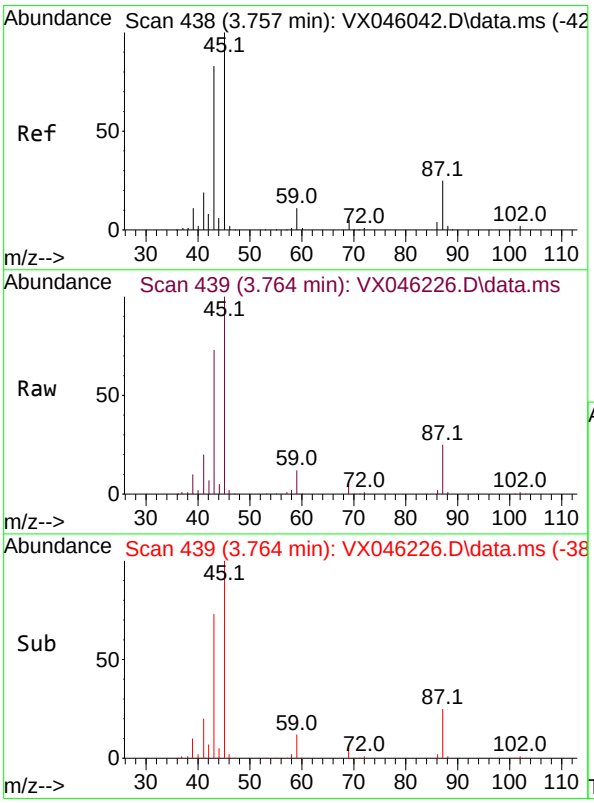
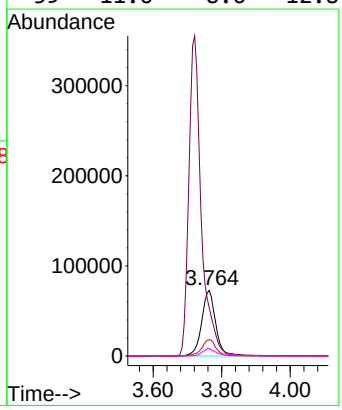
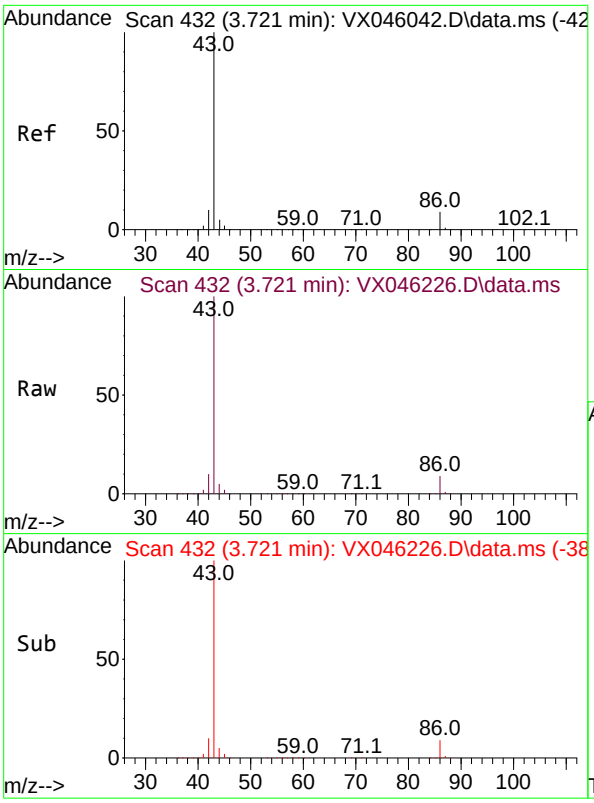


#22
Diisopropyl ether
Concen: 53.851 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 45 Resp: 205399

Ion	Ratio	Lower	Upper
45	100		
43	72.9	66.6	100.0
87	24.9	19.8	29.6
59	11.6	8.6	12.8





#23
Vinyl Acetate
Concen: 269.908 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 90545

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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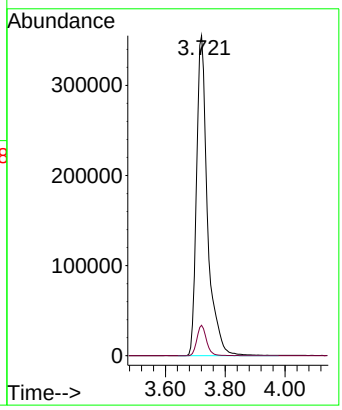
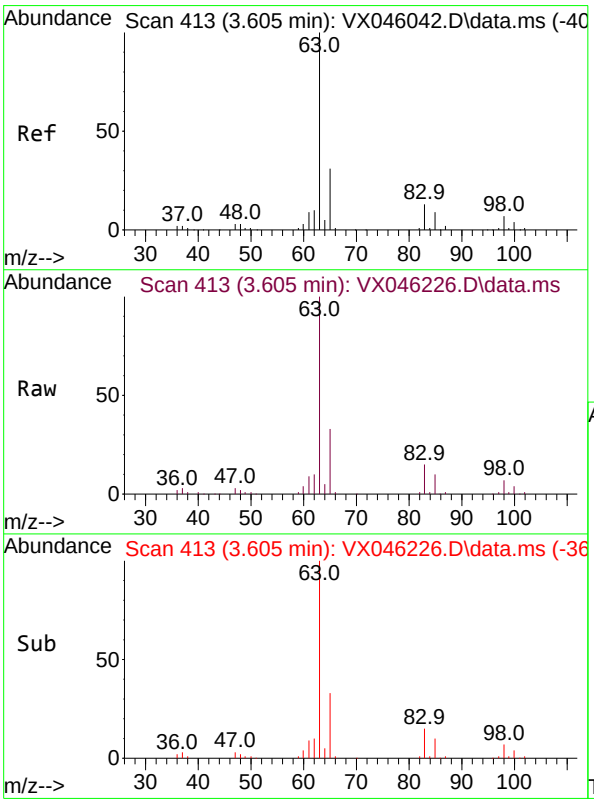
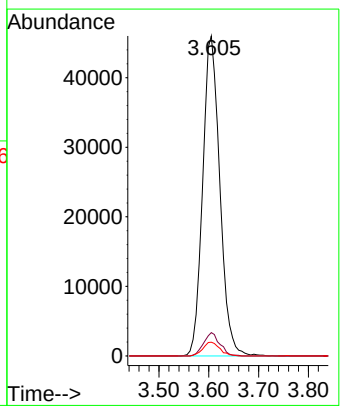


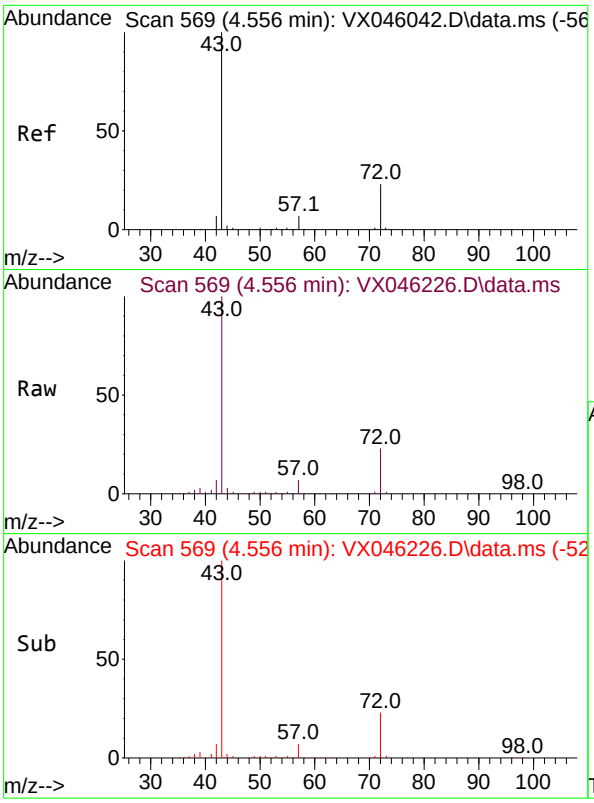


#24
1,1-Dichloroethane
Concen: 51.736 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 63 Resp: 109909

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.3	2.1	6.3





#25
2-Butanone
Concen: 273.039 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 25817

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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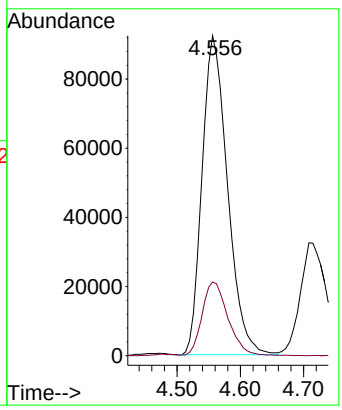
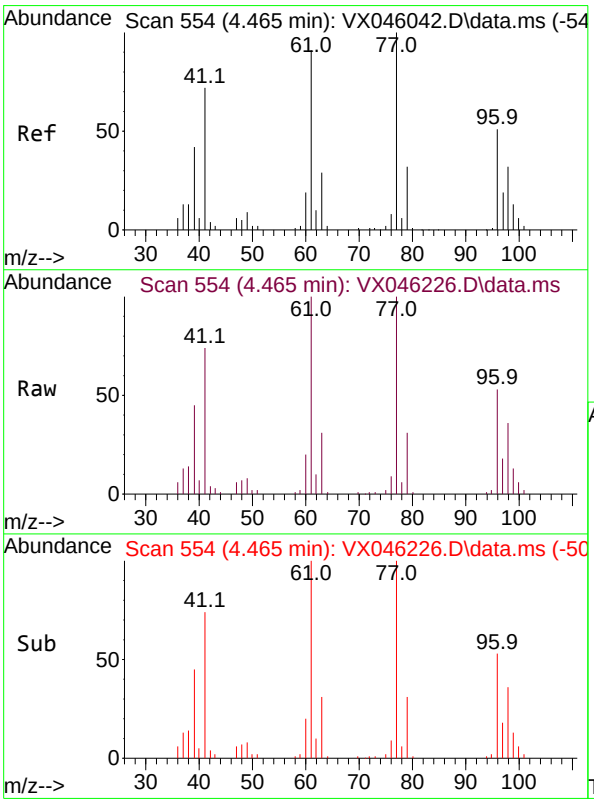
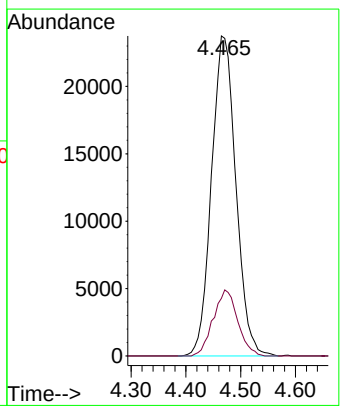


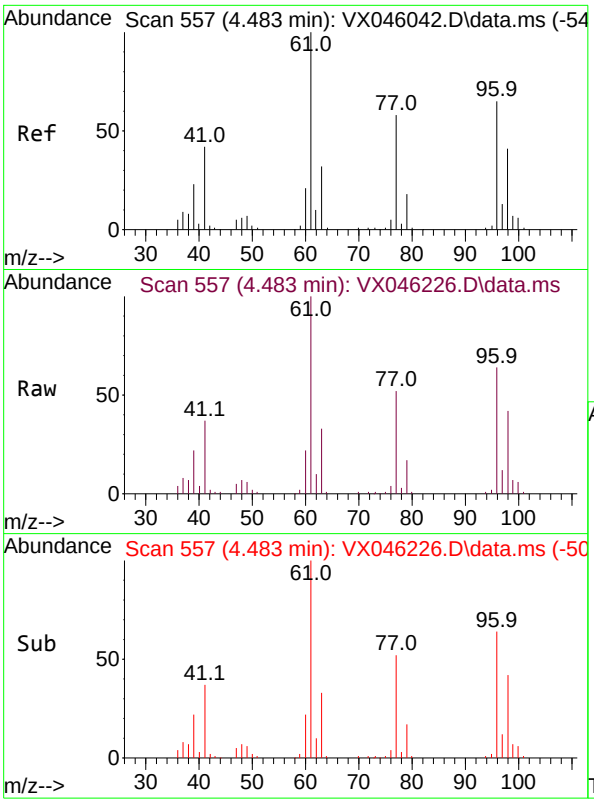


#26
2,2-Dichloropropane
Concen: 44.030 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 77 Resp: 73212

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 50.450 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 96 Resp: 6310

Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	322.8
98	64.7	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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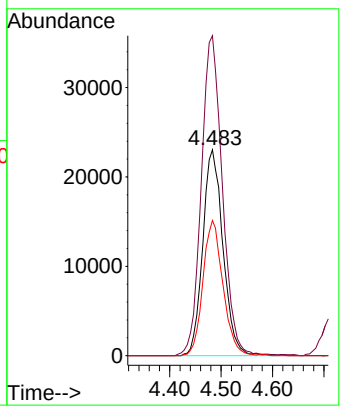
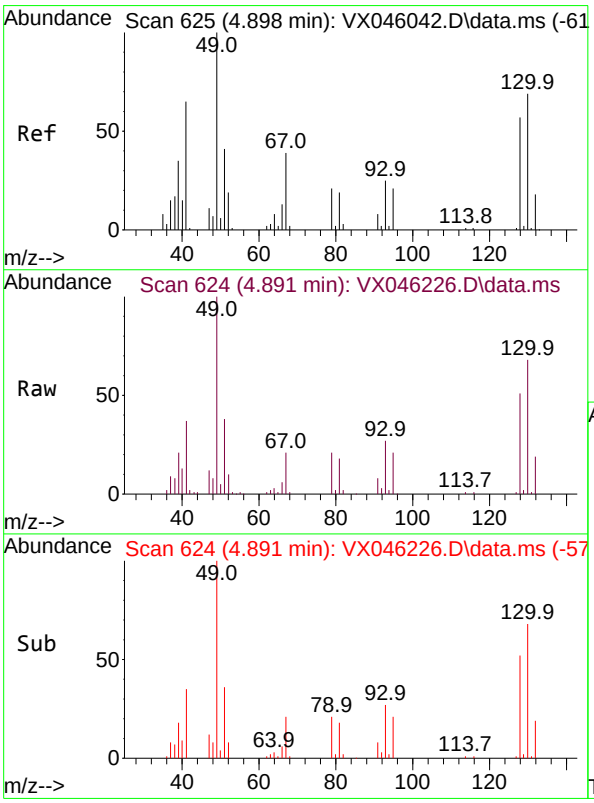
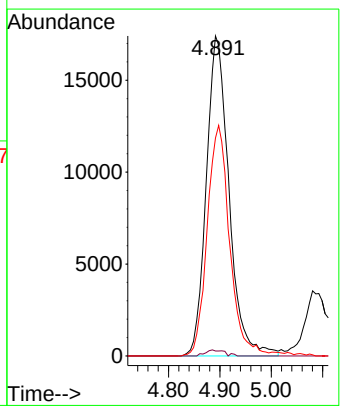


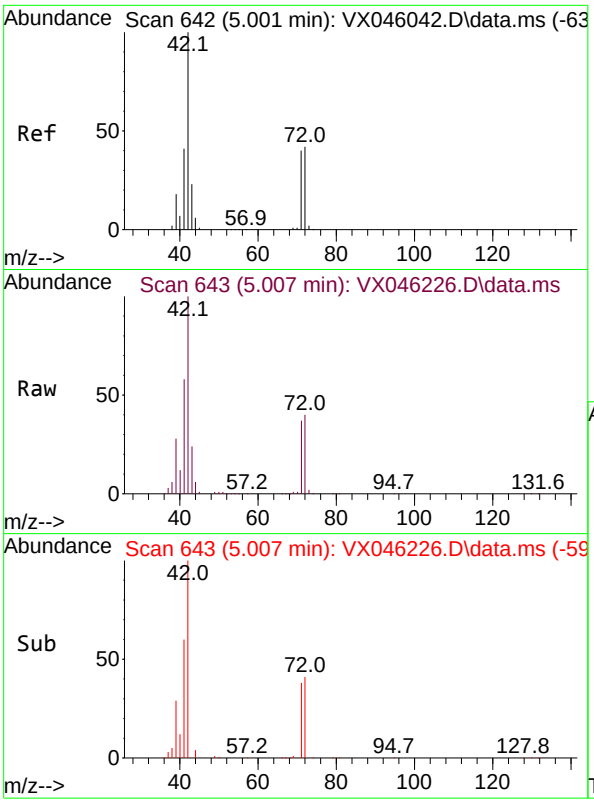


#28
Bromochloromethane
Concen: 52.197 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 49 Resp: 53376

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	70.9	56.2	84.2





#29
Tetrahydrofuran
Concen: 273.198 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 42 Resp: 16187

Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	38.4	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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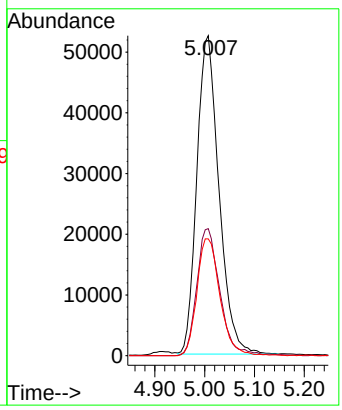
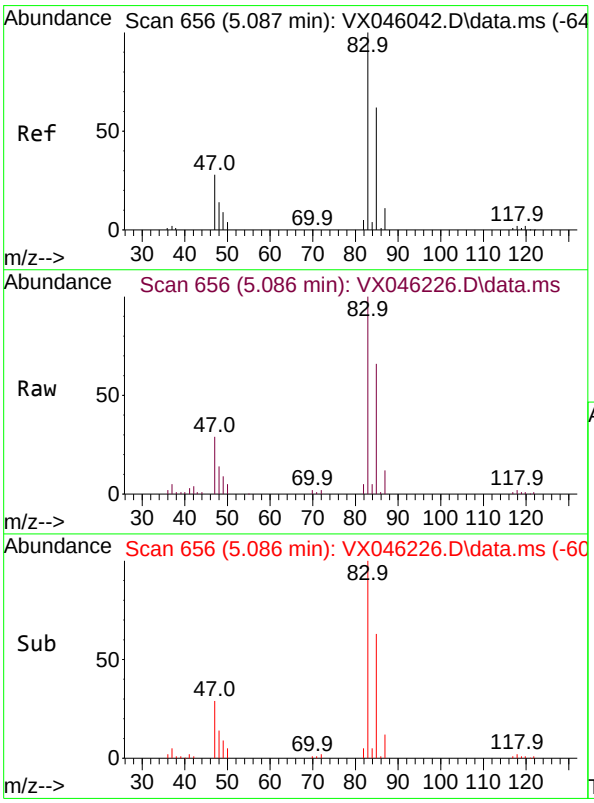
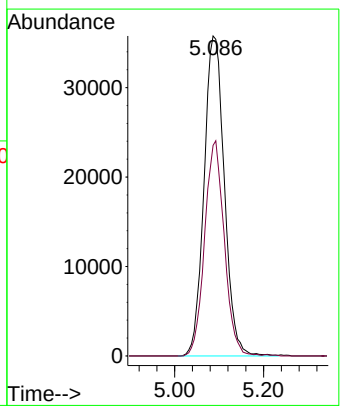


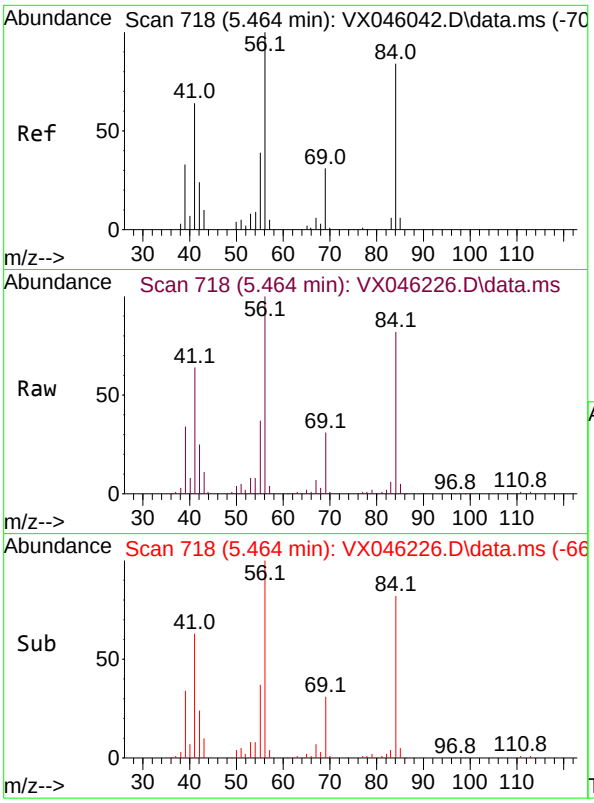


#30
Chloroform
Concen: 51.396 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 83 Resp: 113805

Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.3	73.9

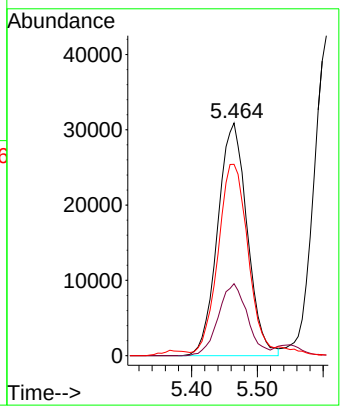




#31
Cyclohexane
Concen: 49.799 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 56 Resp: 9640

Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.4	36.6
84	80.1	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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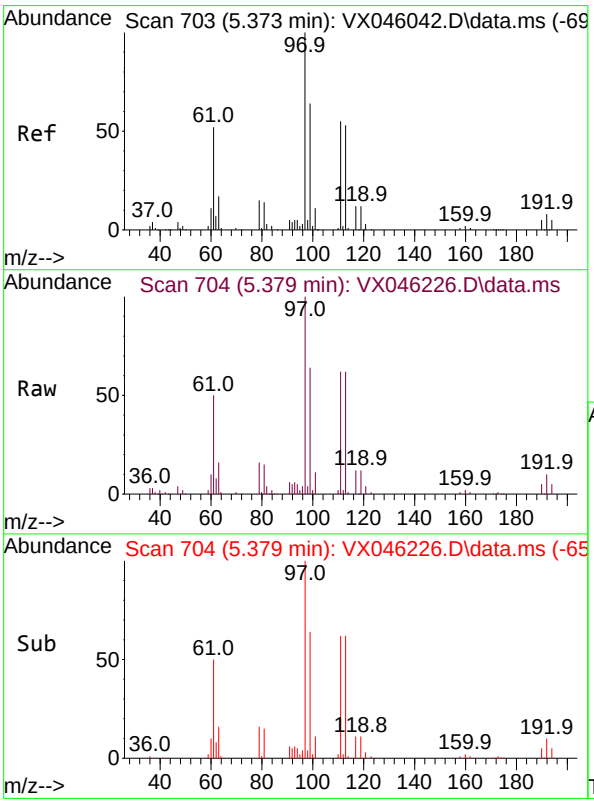
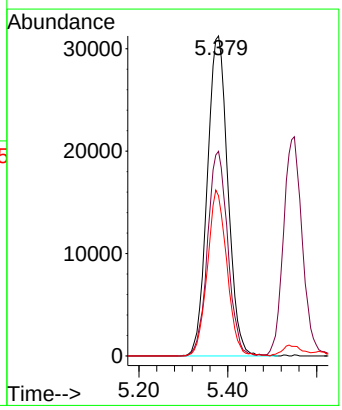
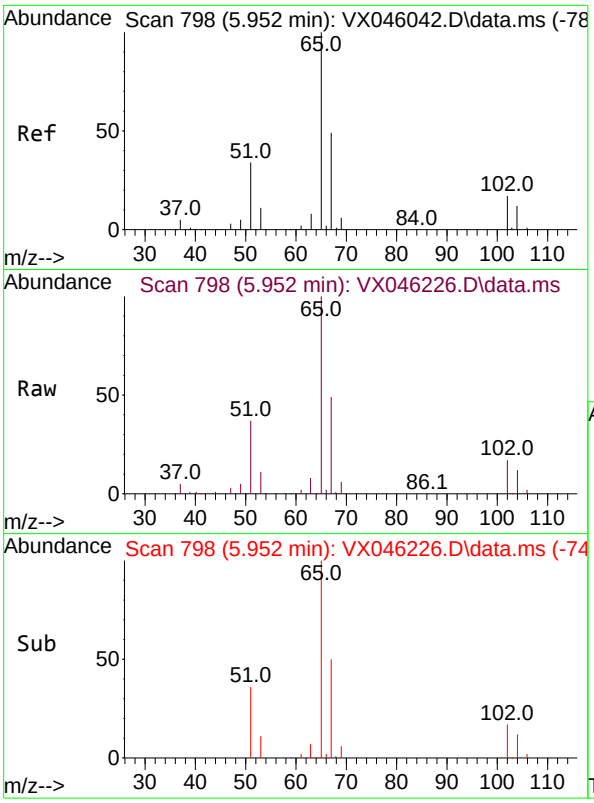


#32
1,1,1-Trichloroethane
Concen: 52.144 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 97 Resp: 100089

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	49.4	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 49.533 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 65 Resp: 8046

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
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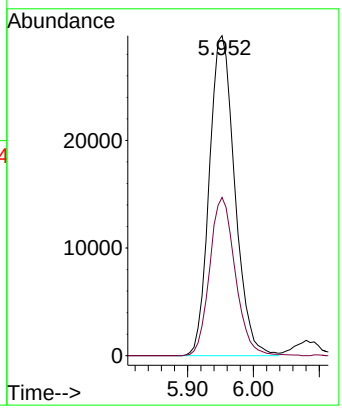
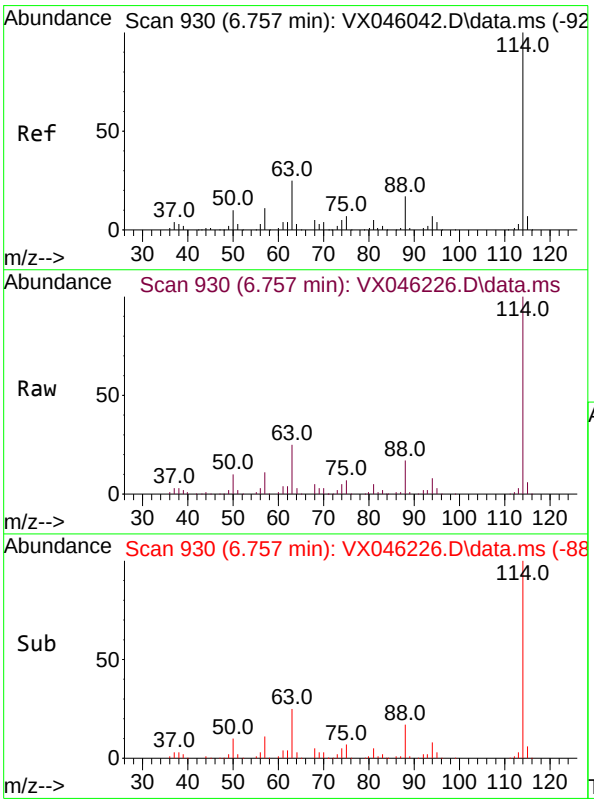
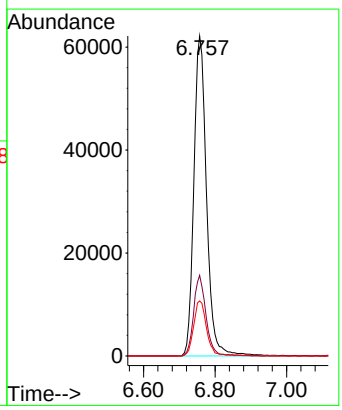


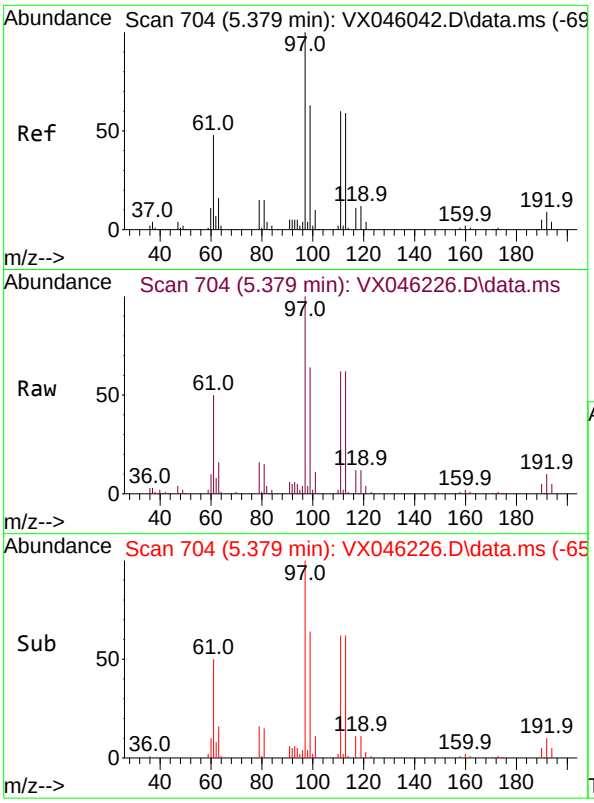


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:114 Resp: 153172

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	17.2	0.0	33.6

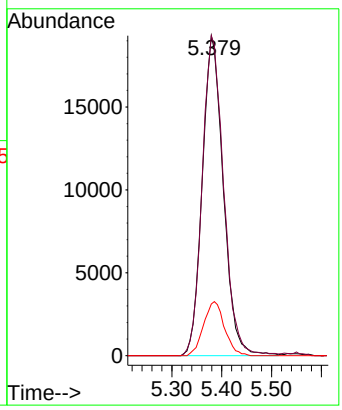




#35
Dibromofluoromethane
Concen: 51.213 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:113 Resp: 5648

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.1	124.7
192	16.8	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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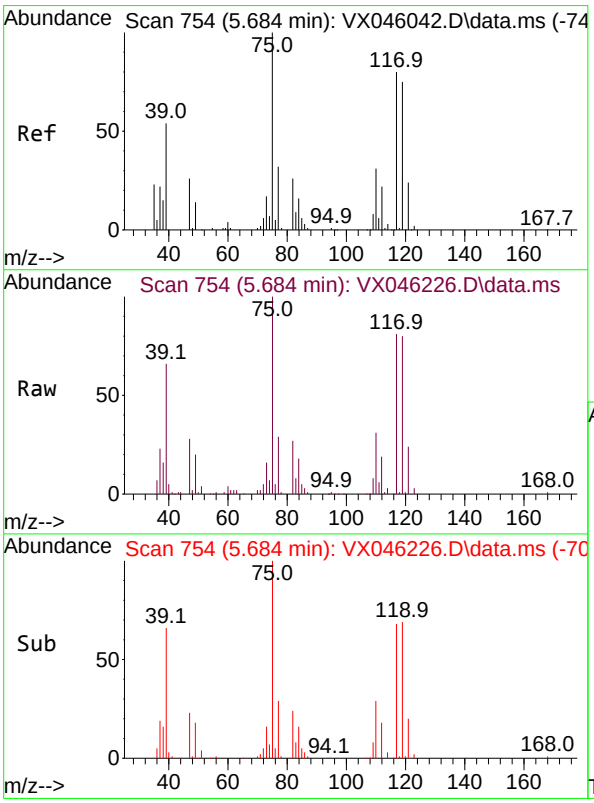
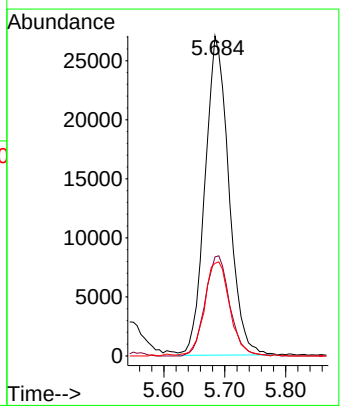
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

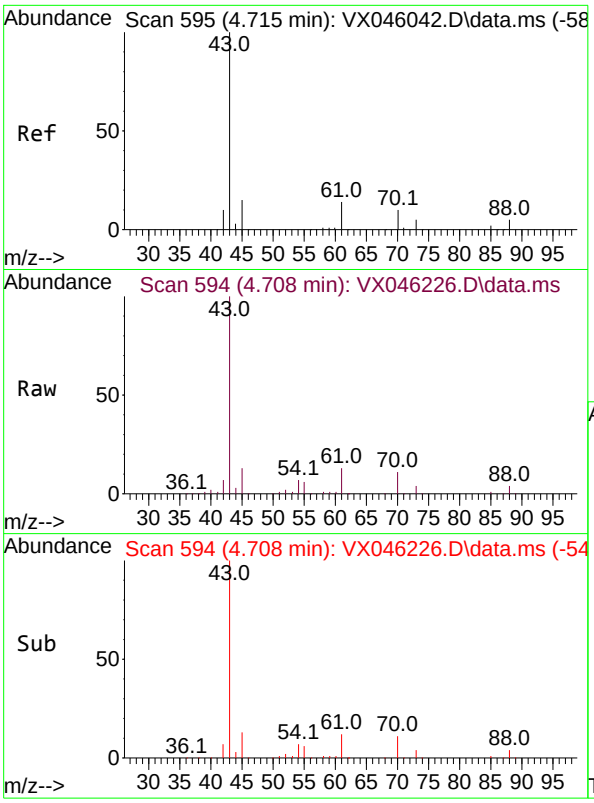


#36
1,1-Dichloropropene
Concen: 49.489 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 73342

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.3	48.9
77	31.4	24.3	36.5

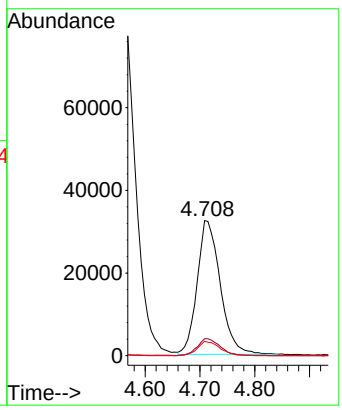




#37
Ethyl Acetate
Concen: 51.877 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 9498

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	10.4	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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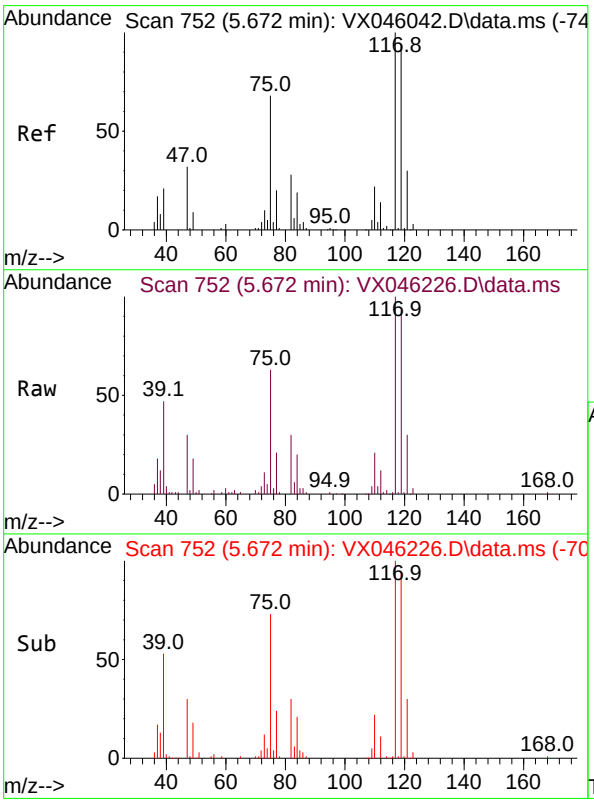
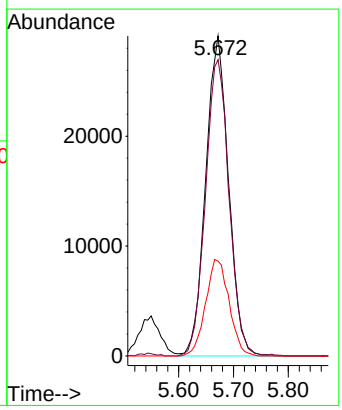
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

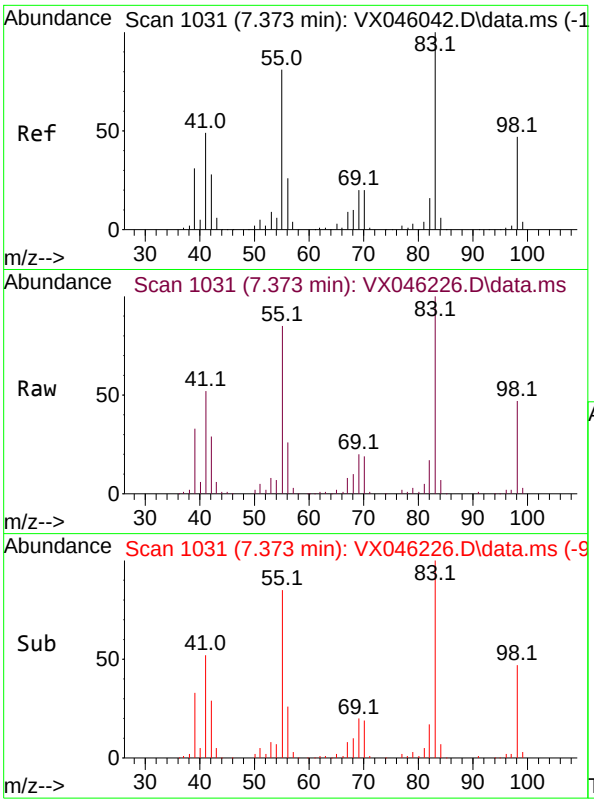


#38
Carbon Tetrachloride
Concen: 50.735 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:117 Resp: 84481

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.2	112.8
121	29.6	24.2	36.4





#39
Methylcyclohexane
Concen: 48.176 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 83 Resp: 9191

Ion	Ratio	Lower	Upper
83	100		
55	85.2	64.7	97.1
98	46.6	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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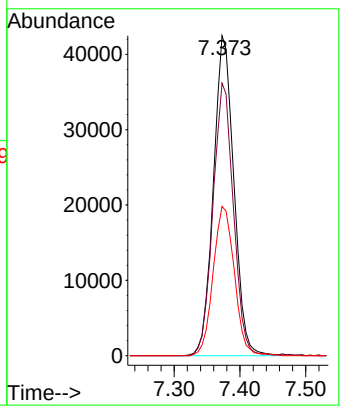
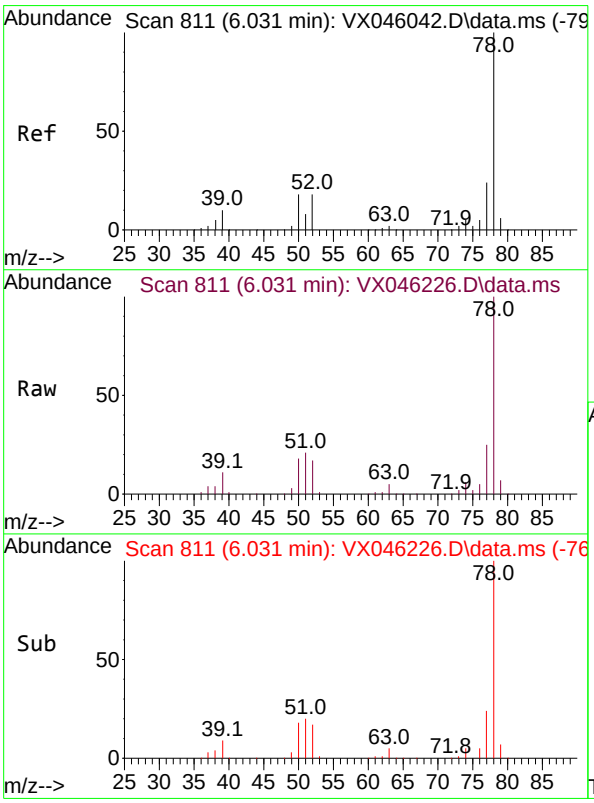
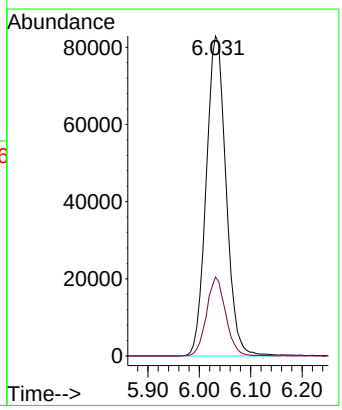


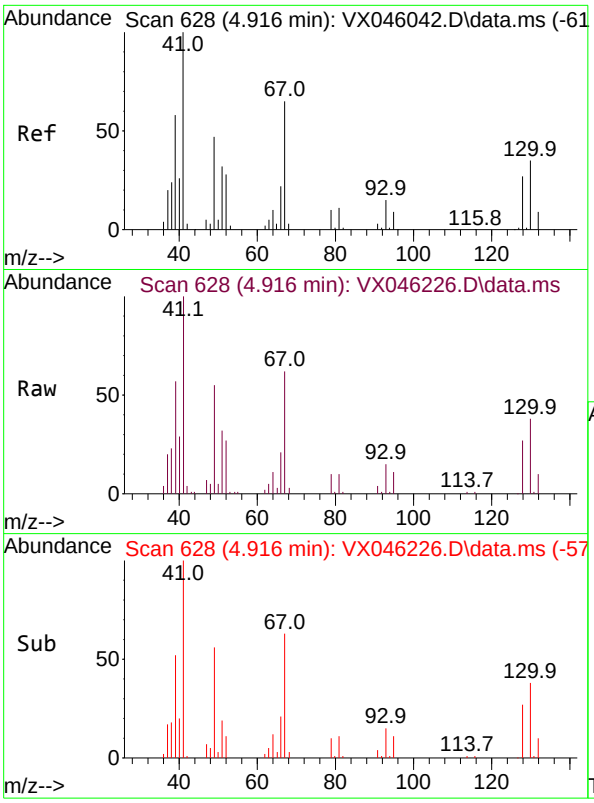


#40
Benzene
Concen: 51.280 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 78 Resp: 222602

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4

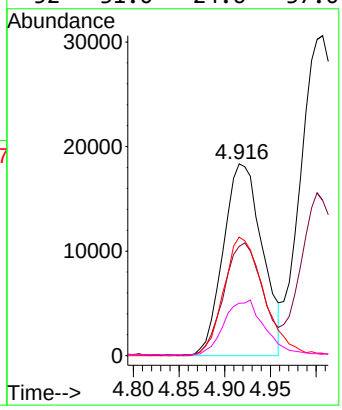




#41
Methacrylonitrile
Concen: 57.029 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 41 Resp: 5462

Ion	Ratio	Lower	Upper
41	100		
39	58.7	47.2	70.8
67	63.9	50.7	76.1
52	31.0	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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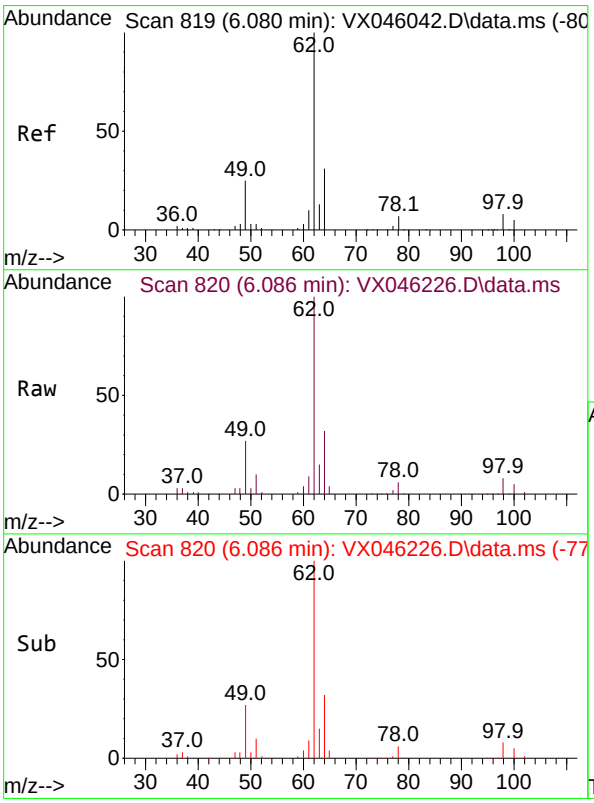
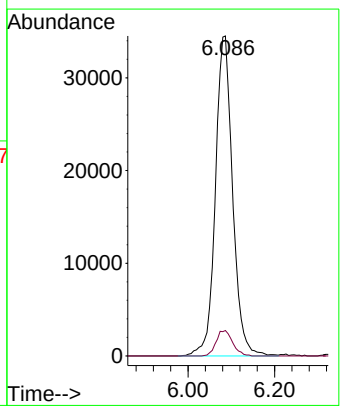
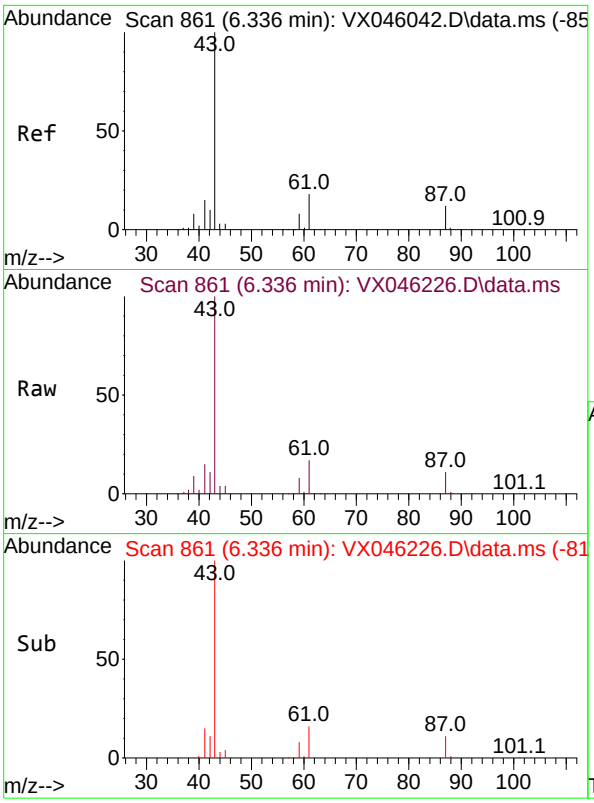


#42
1,2-Dichloroethane
Concen: 51.037 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 62 Resp: 95618

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 54.206 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 15141

Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.3	21.5
87	11.5	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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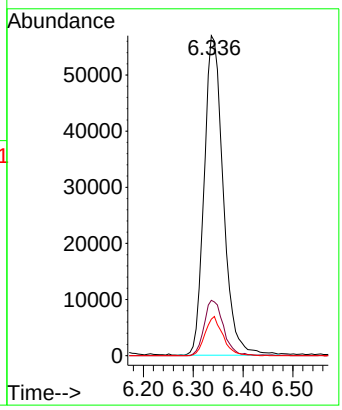
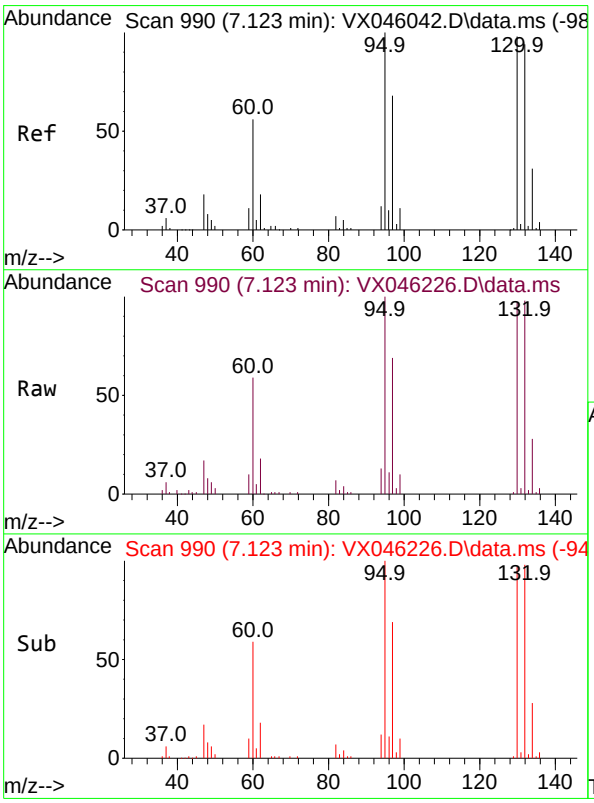
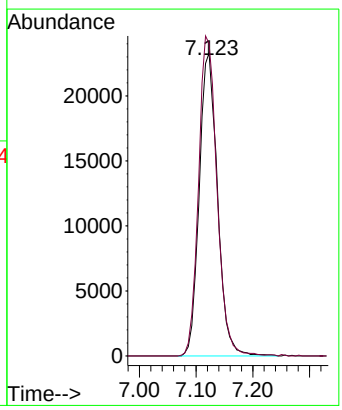


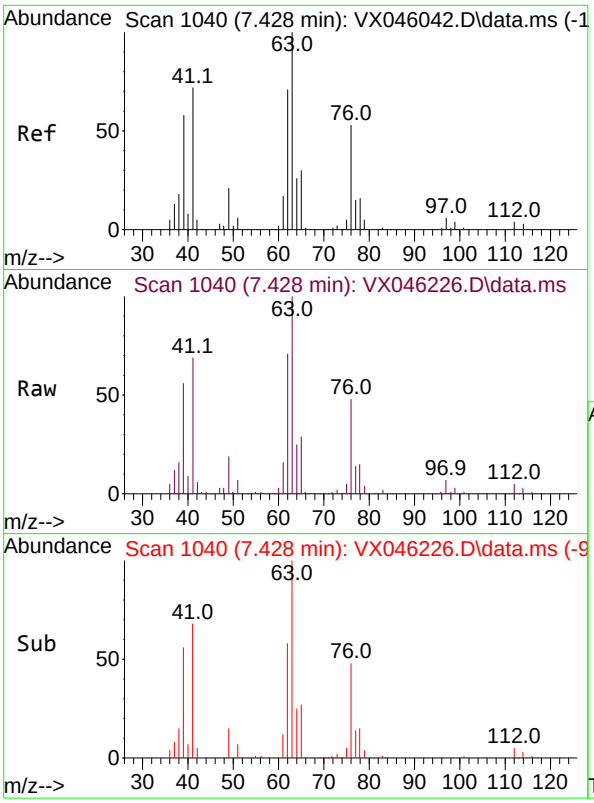


#44
Trichloroethene
Concen: 49.769 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:130 Resp: 51997

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	204.2





#45
1,2-Dichloropropane
Concen: 53.759 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 63 Resp: 5802

Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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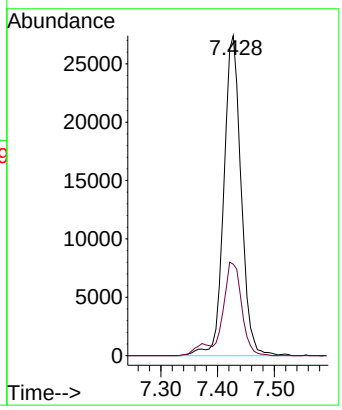
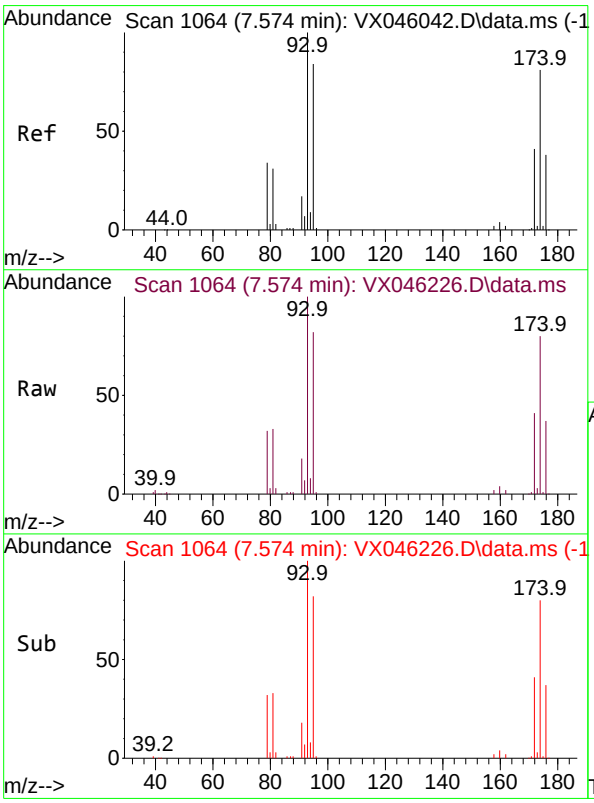
Supervised By :Mahesh Dadoda 05/16/2025

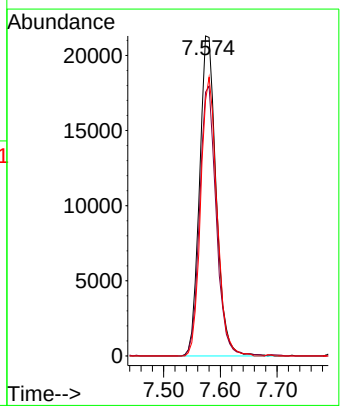


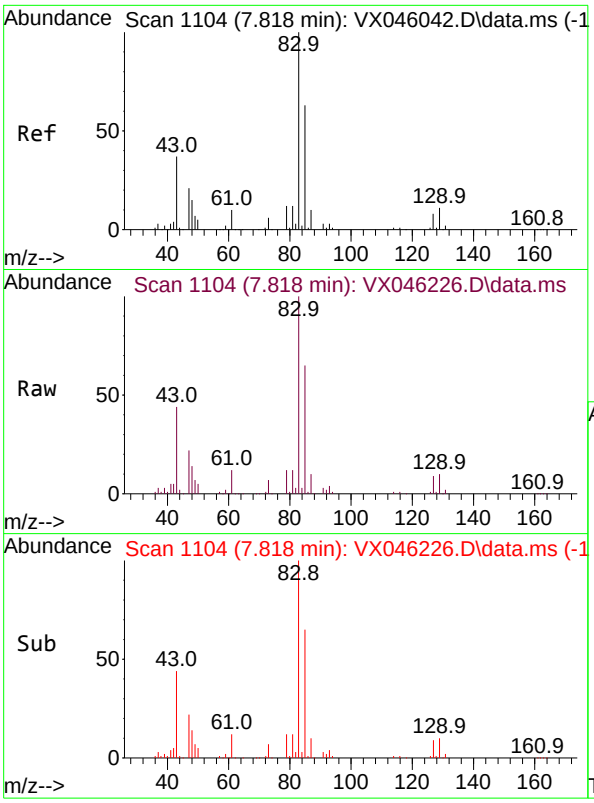


#46
Dibromomethane
Concen: 50.931 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 93 Resp: 43359

Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.6	98.4
174	85.4	68.2	102.2

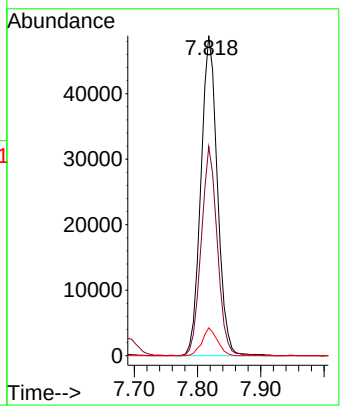




#47
Bromodichloromethane
Concen: 52.911 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 83 Resp: 8871

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.5	75.7
127	8.7	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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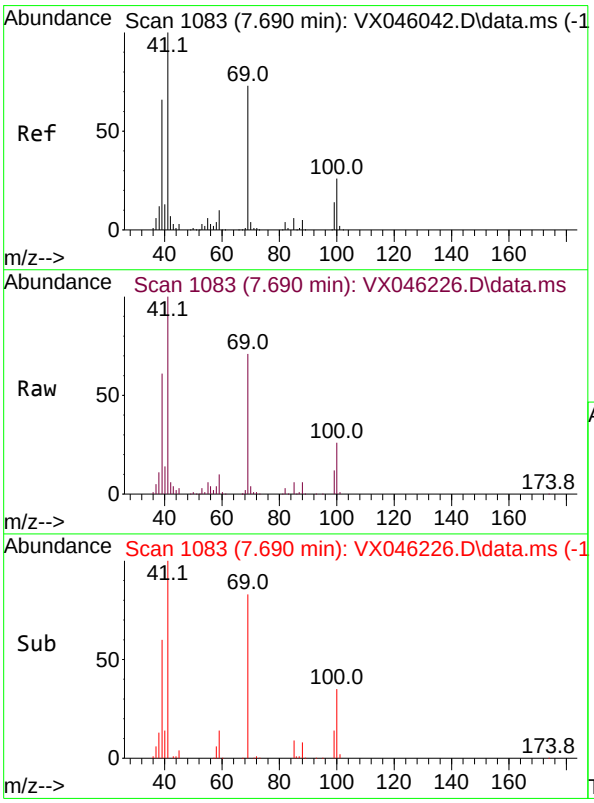
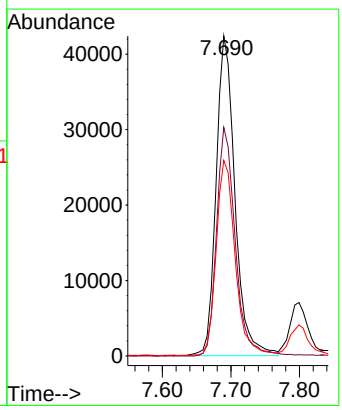
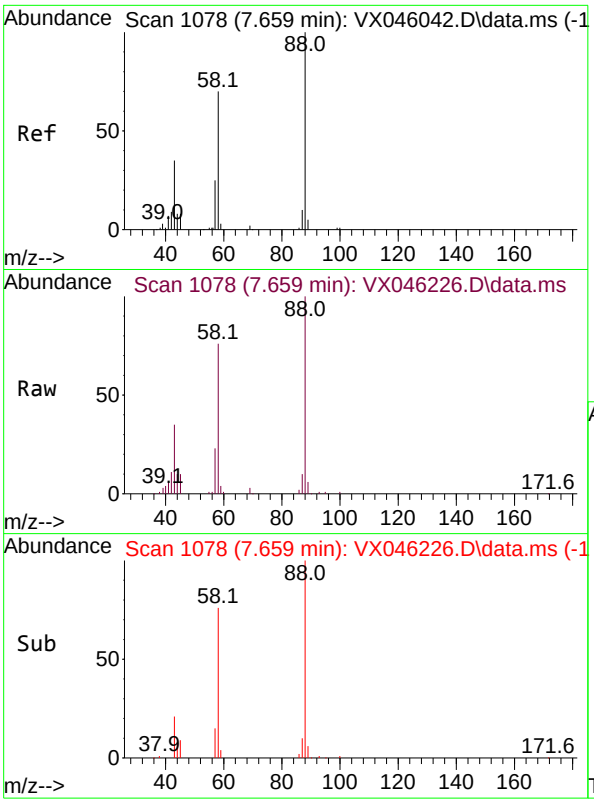


#48
Methyl methacrylate
Concen: 56.485 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 41 Resp: 80579

Ion	Ratio	Lower	Upper
41	100		
69	71.4	58.5	87.7
39	62.3	51.7	77.5

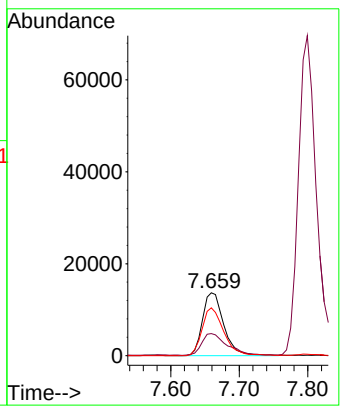




#49
1,4-Dioxane
Concen: 1087.625 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 88 Resp: 2946

Ion	Ratio	Lower	Upper
88	100		
43	41.5	33.4	50.2
58	77.6	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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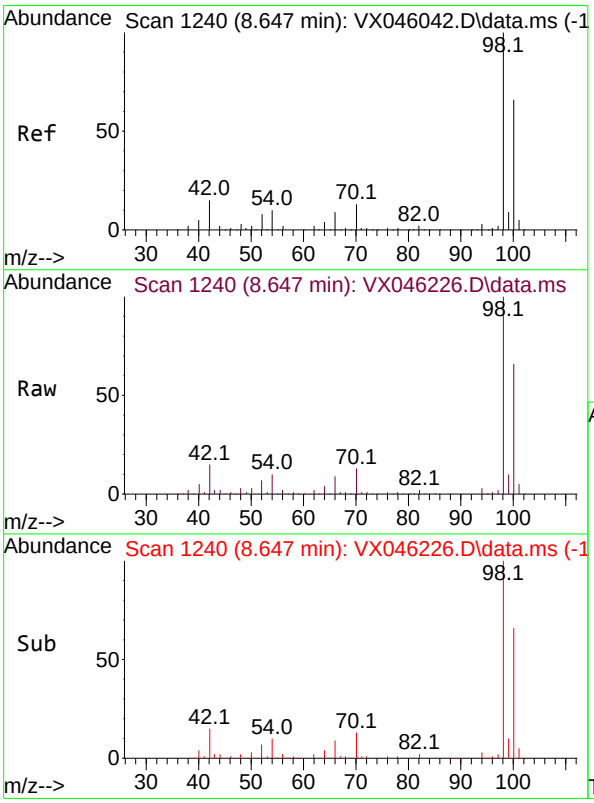
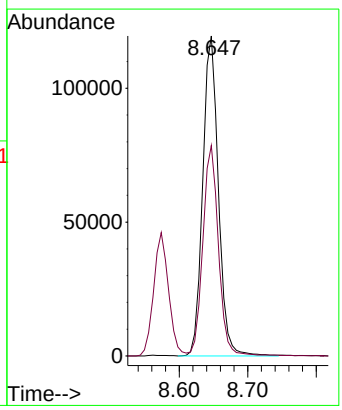
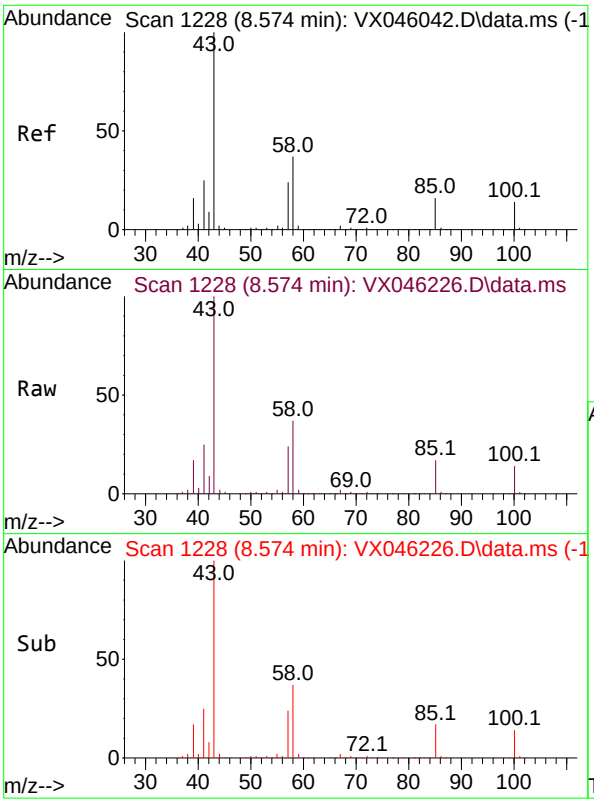


#50
Toluene-d8
Concen: 49.825 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 98 Resp: 190215

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 279.132 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 51755

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
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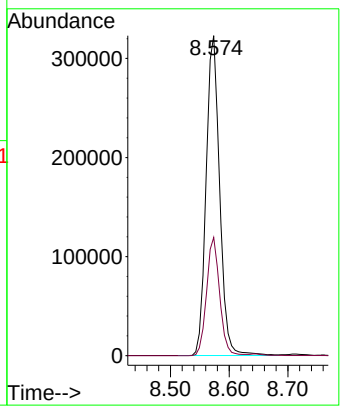
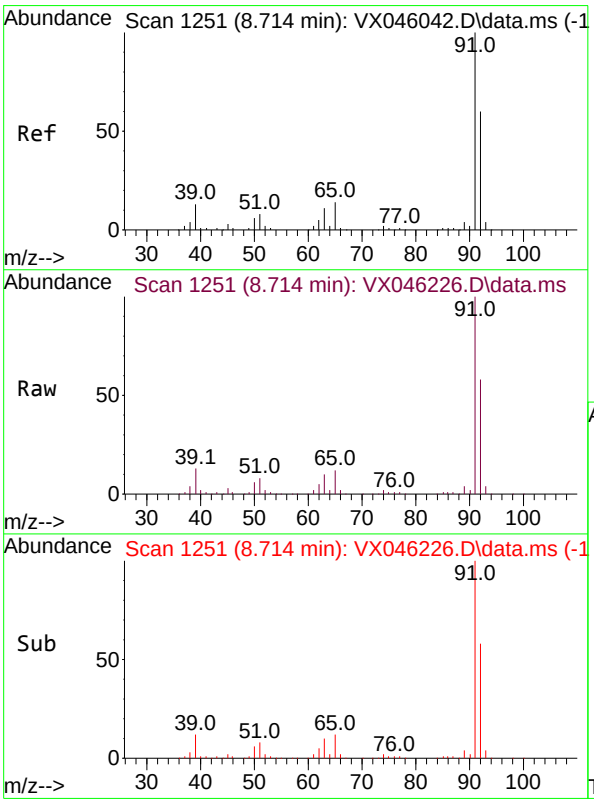
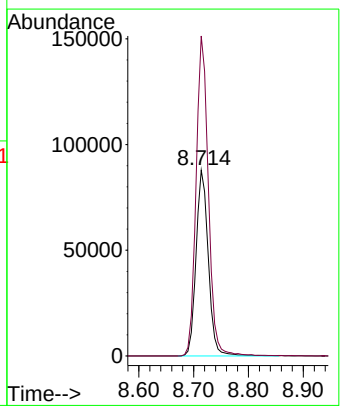


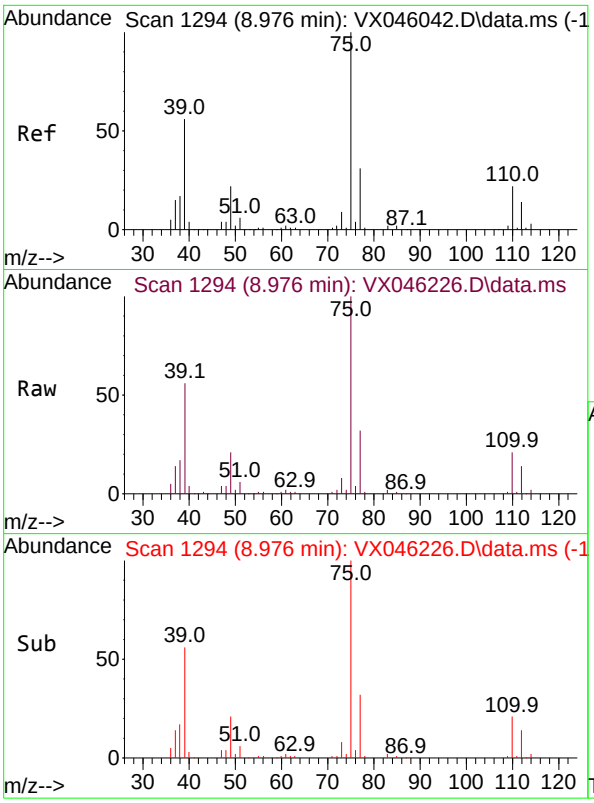


#52
Toluene
Concen: 51.520 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 92 Resp: 137133

Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.6	205.0

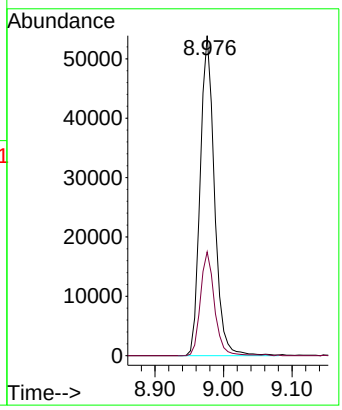




#53
t-1,3-Dichloropropene
Concen: 52.535 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 7829

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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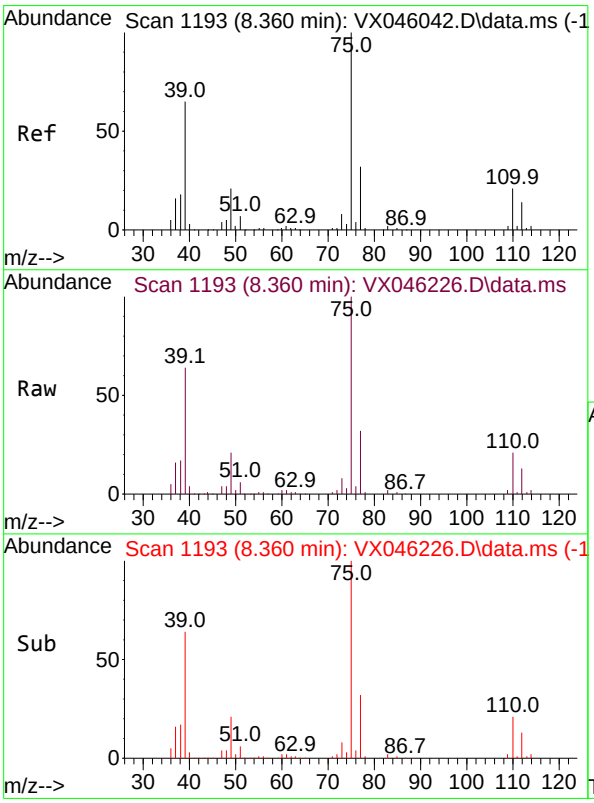
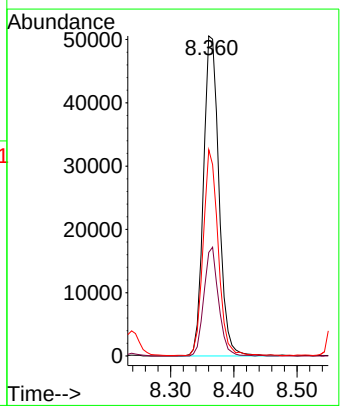
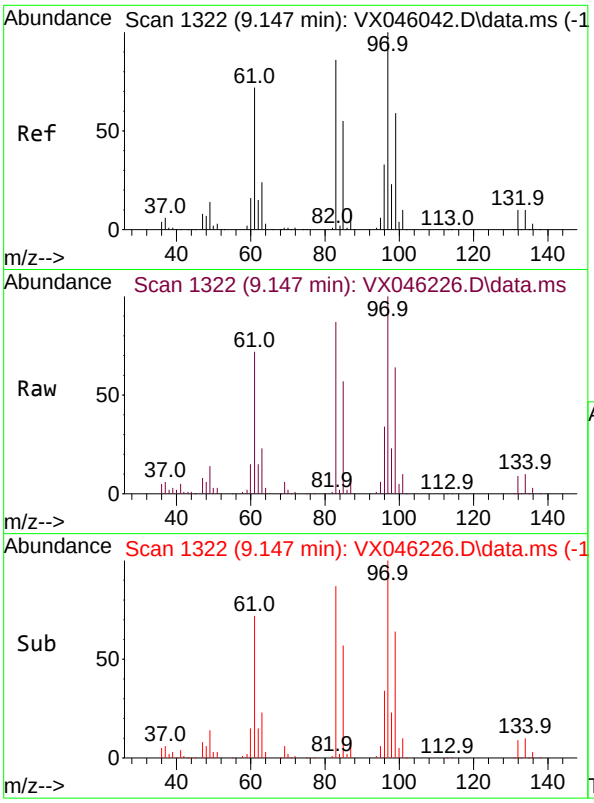


#54
cis-1,3-Dichloropropene
Concen: 52.332 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 86203

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0
39	64.3	52.2	78.4

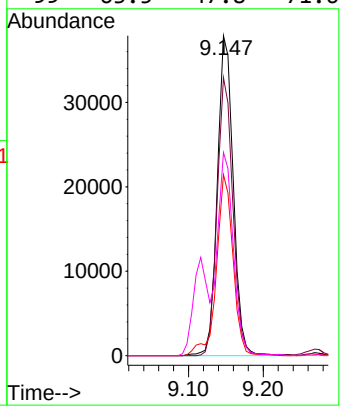




#55
1,1,2-Trichloroethane
Concen: 53.584 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 97 Resp: 5623

Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	56.6	44.3	66.5
99	63.5	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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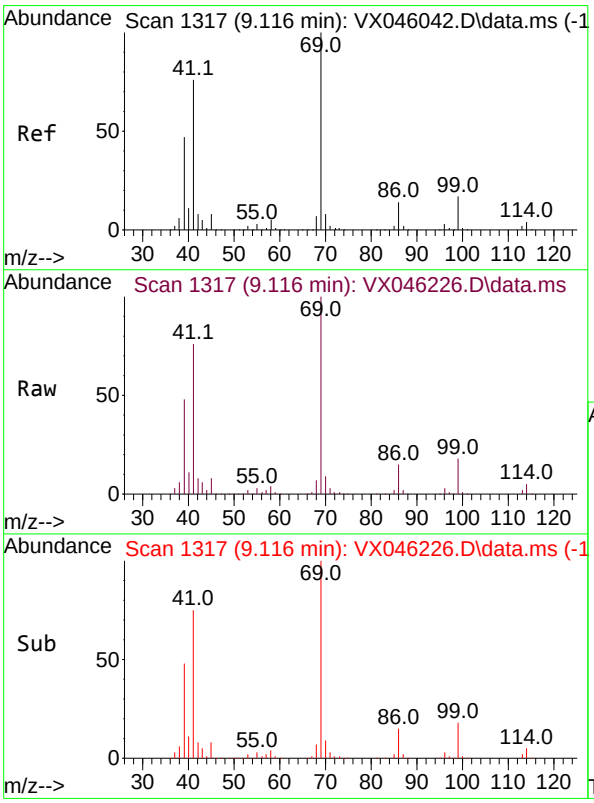
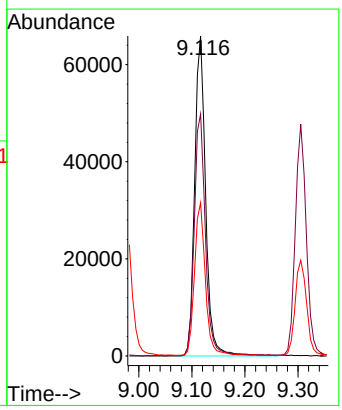
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

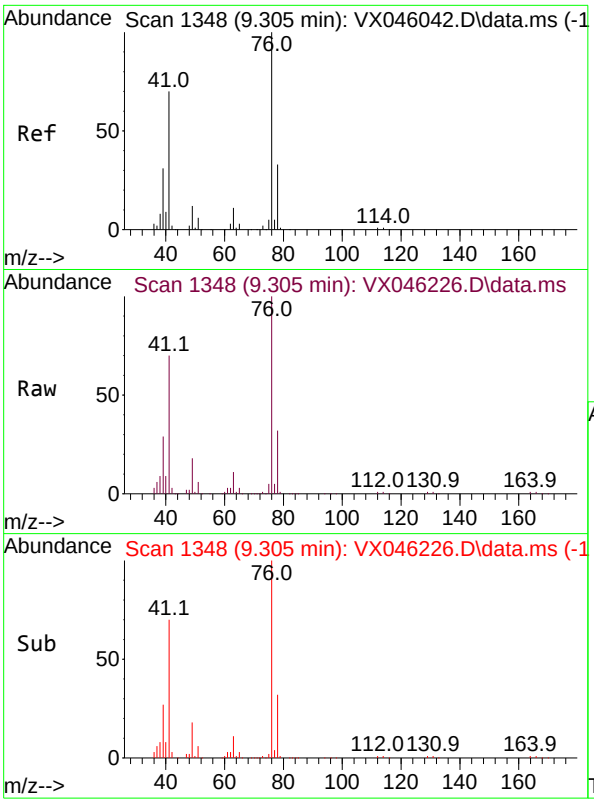


#56
Ethyl methacrylate
Concen: 56.672 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 69 Resp: 94798

Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.8	91.2
39	47.3	39.0	58.6





#57
1,3-Dichloropropane
Concen: 51.288 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 76 Resp: 9667

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
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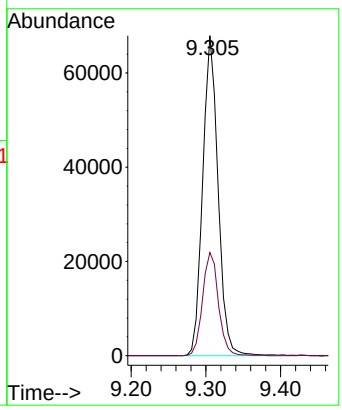
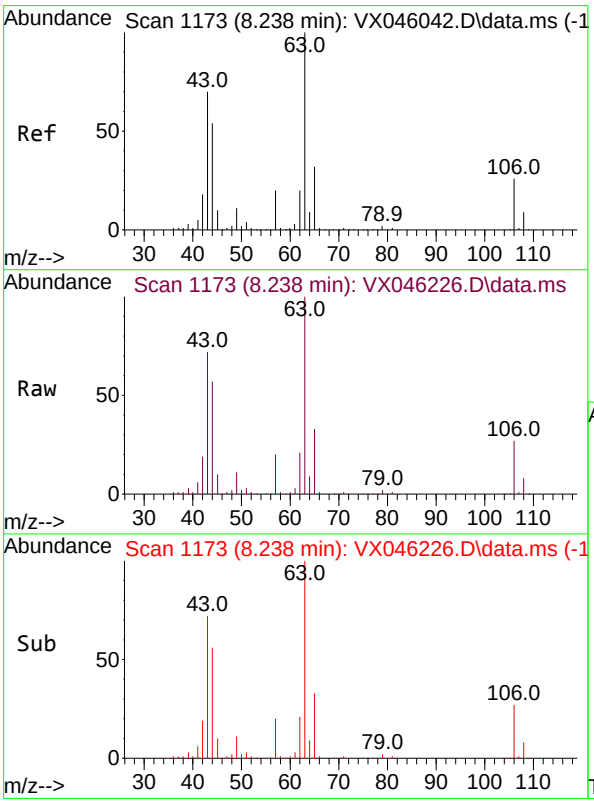
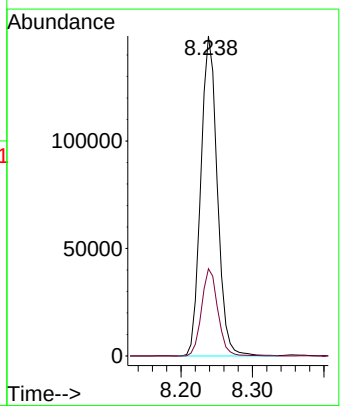


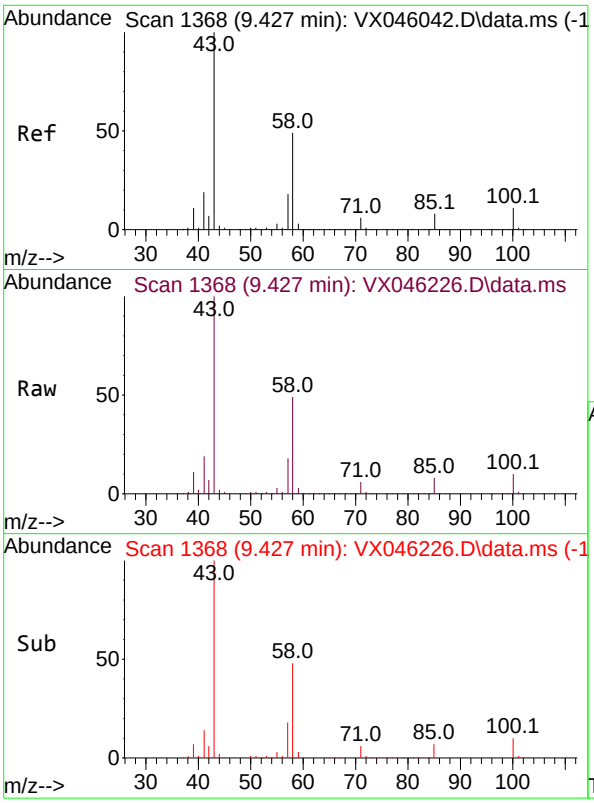


#58
2-Chloroethyl Vinyl ether
Concen: 279.889 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 63 Resp: 238687

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.5	32.3





#59
2-Hexanone
Concen: 278.290 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 38174

Ion	Ratio	Lower	Upper
43	100		
58	49.2	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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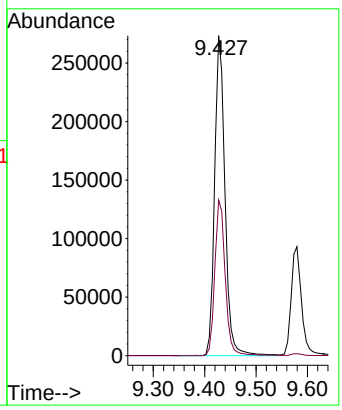
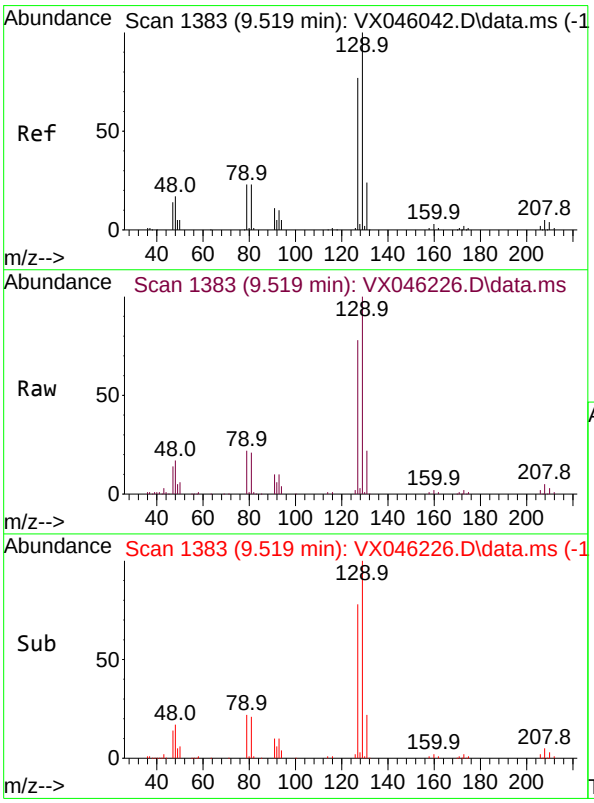
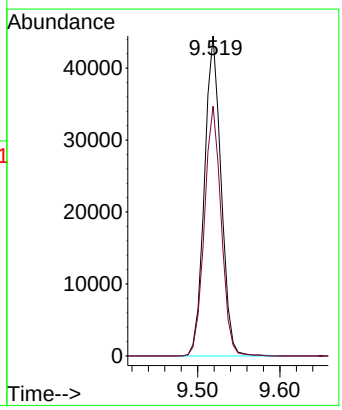


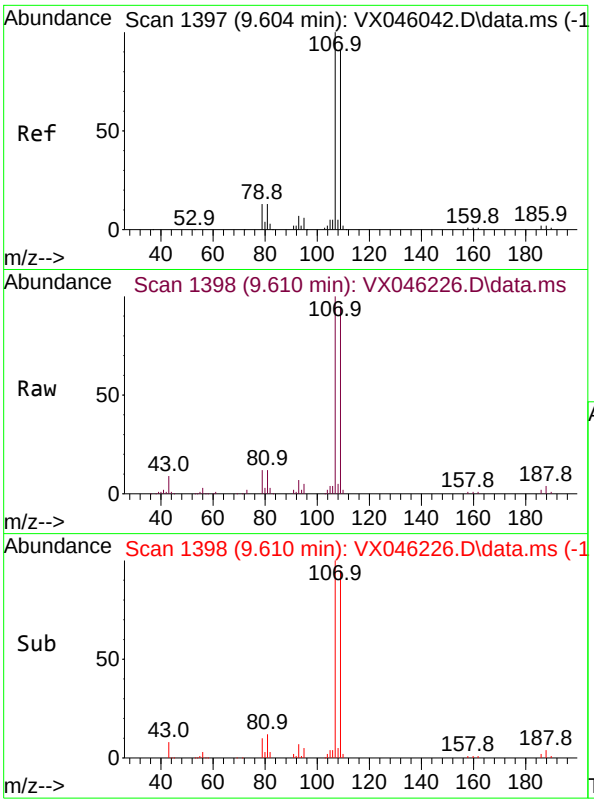


#60
Dibromochloromethane
Concen: 54.211 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:129 Resp: 62486

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8





#61
1,2-Dibromoethane
Concen: 53.041 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:107 Resp: 5786

Ion	Ratio	Lower	Upper
107	100		
109	95.0	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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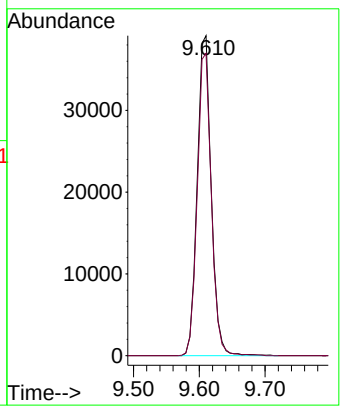
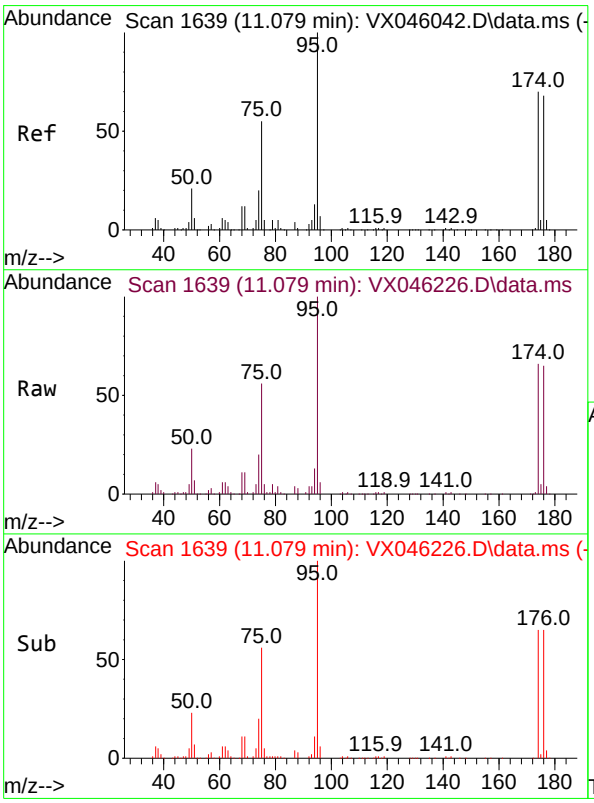
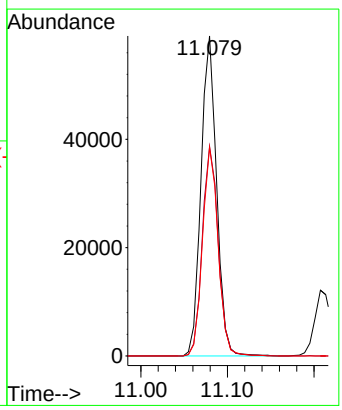


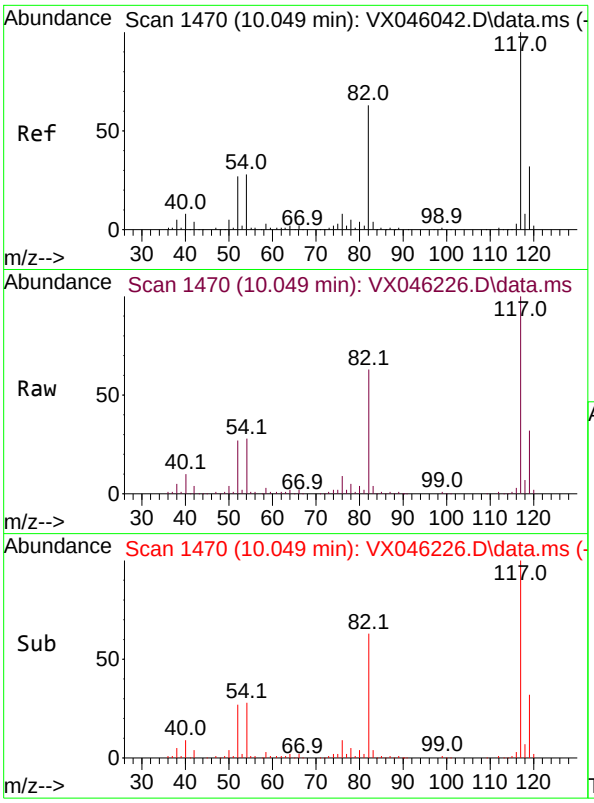


#62
4-Bromofluorobenzene
Concen: 50.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 95 Resp: 73881

Ion	Ratio	Lower	Upper
95	100		
174	66.8	0.0	135.8
176	65.3	0.0	131.4

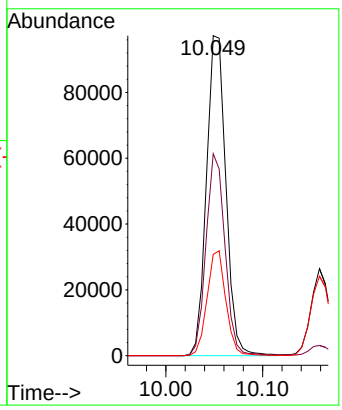




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:117 Resp: 13598

Ion	Ratio	Lower	Upper
117	100		
82	63.1	50.6	76.0
119	31.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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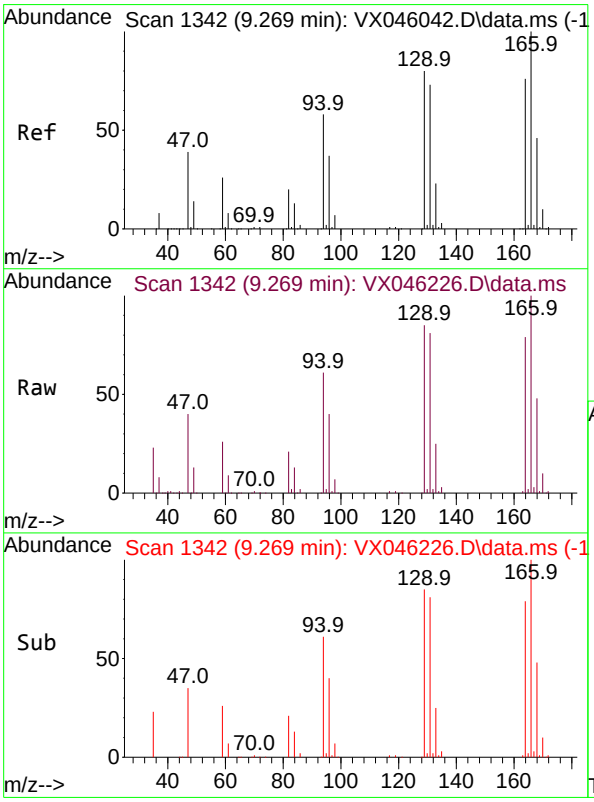
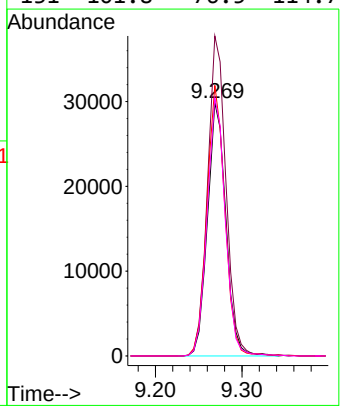
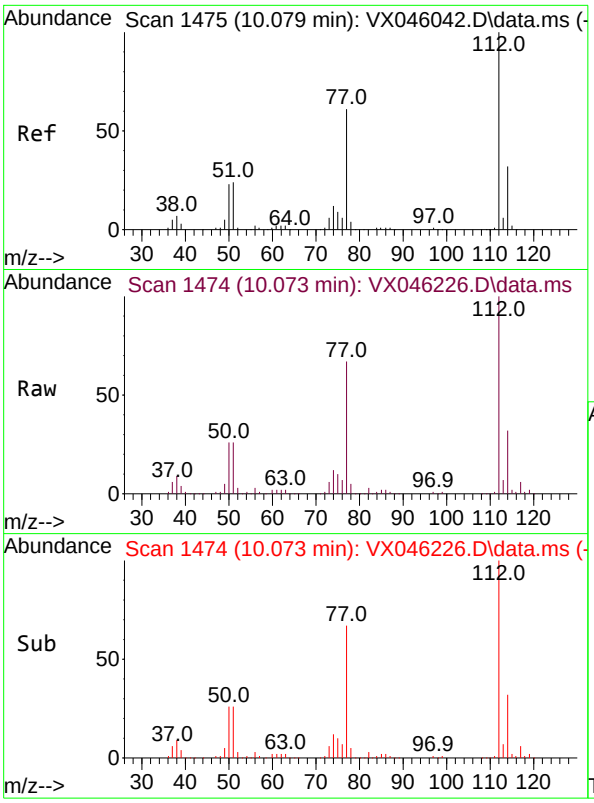


#64
Tetrachloroethene
Concen: 45.780 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:164 Resp: 44046

Ion	Ratio	Lower	Upper
164	100		
166	126.4	105.0	157.6
129	106.9	83.5	125.3
131	101.8	76.5	114.7





#65
Chlorobenzene
Concen: 50.311 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:112 Resp: 14974

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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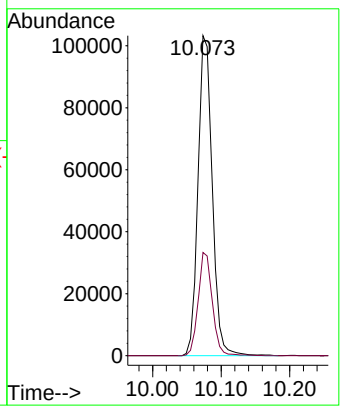
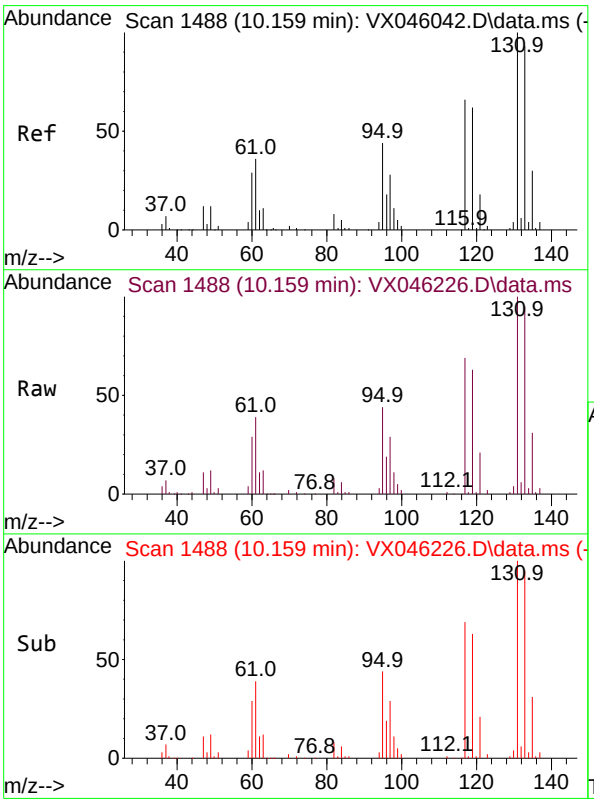
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

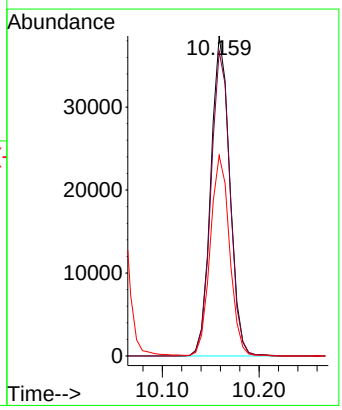


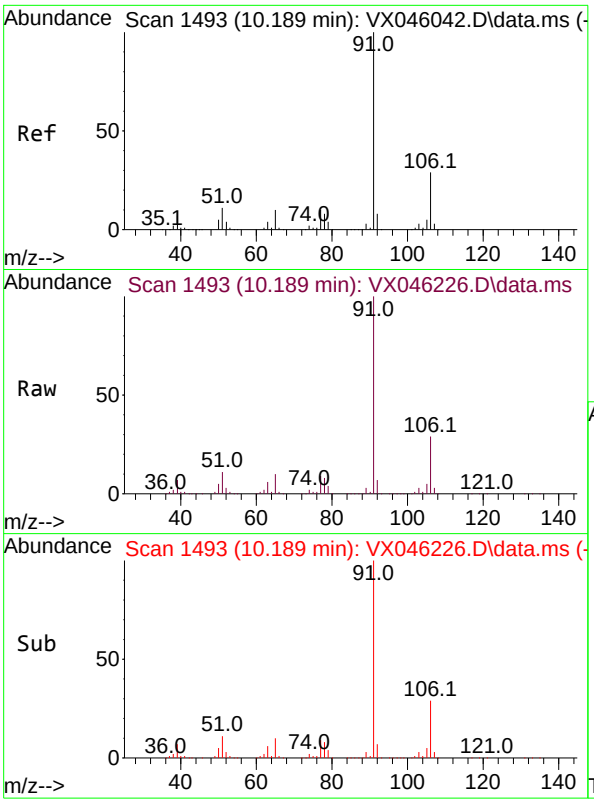


#66
1,1,1,2-Tetrachloroethane
Concen: 51.595 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:131 Resp: 52436

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	141.9
119	63.9	31.6	95.0

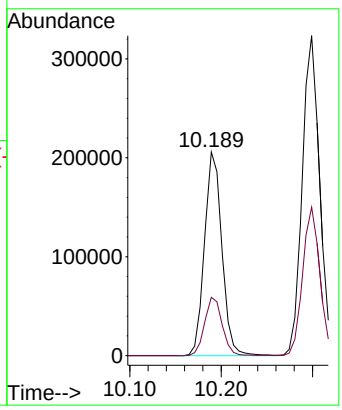




#67
Ethyl Benzene
Concen: 51.845 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 91 Resp: 27199

Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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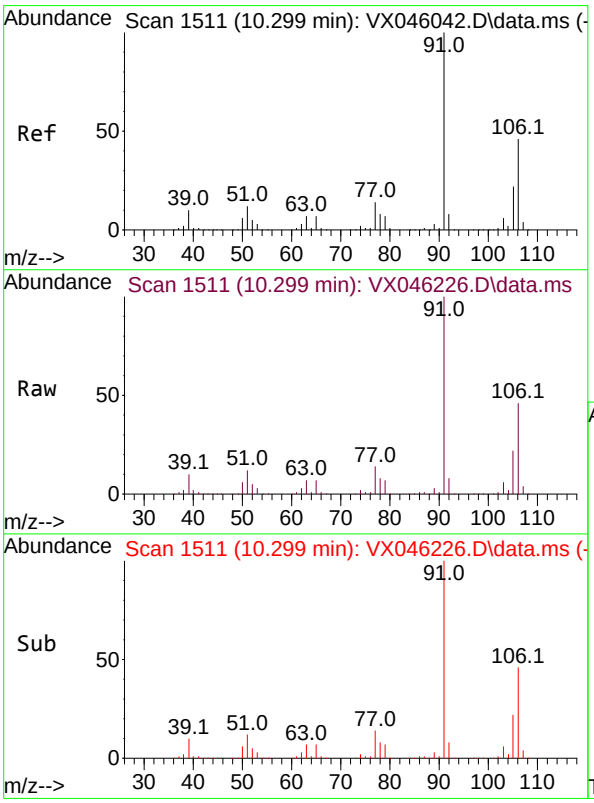
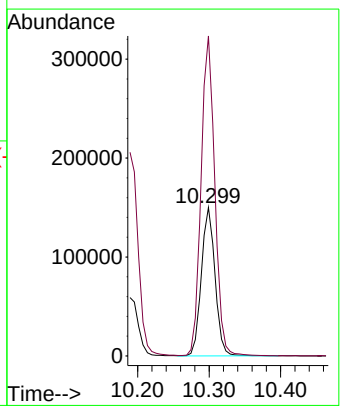
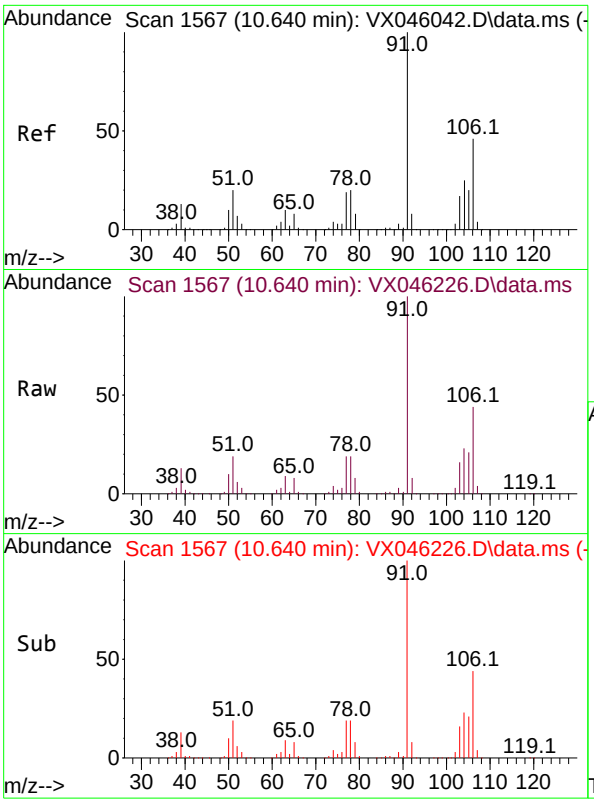


#68
m/p-Xylenes
Concen: 103.822 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:106 Resp: 199216

Ion	Ratio	Lower	Upper
106	100		
91	216.8	171.2	256.8

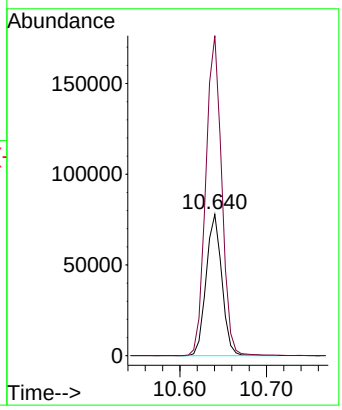




#69
o-Xylene
Concen: 52.440 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:106 Resp: 9809

Ion	Ratio	Lower	Upper
106	100		
91	230.0	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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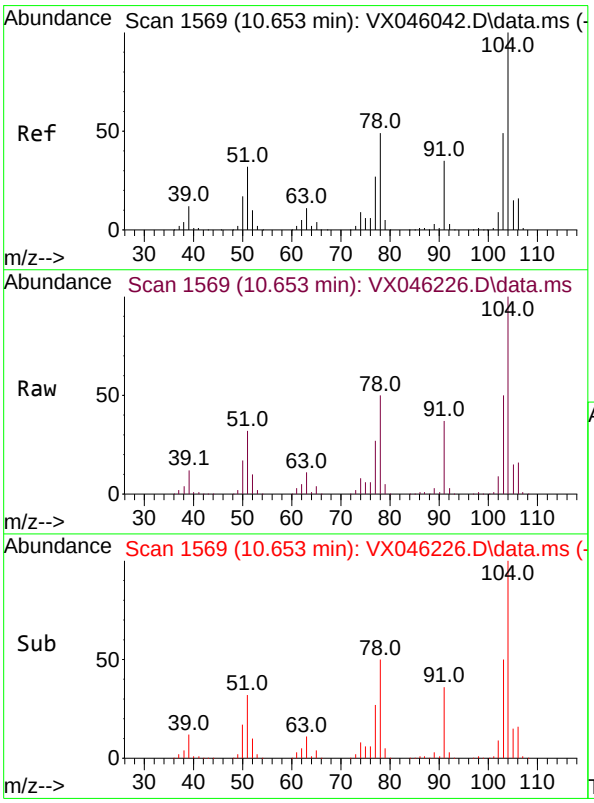
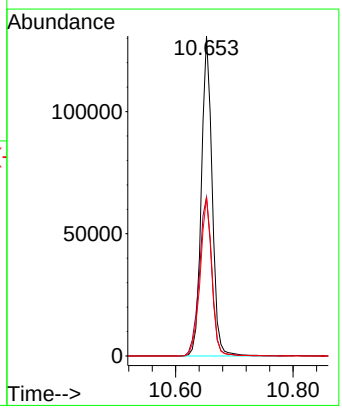
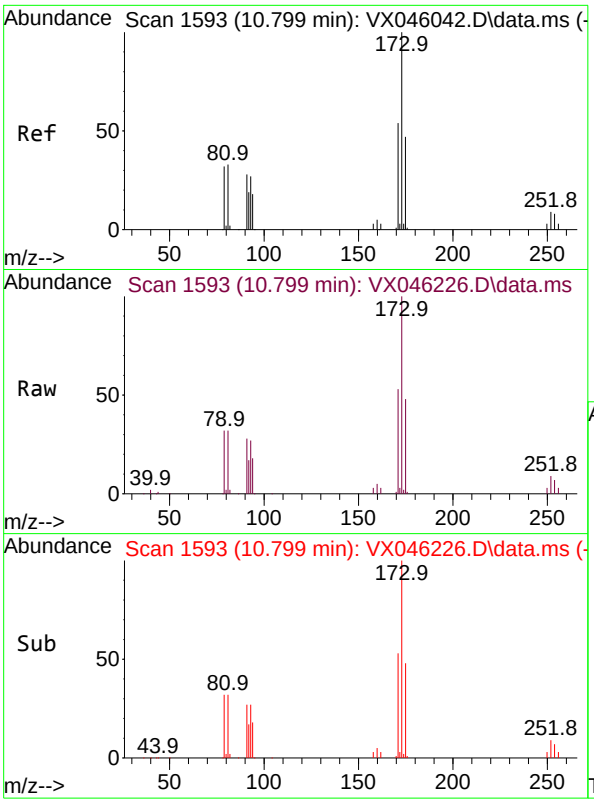


#70
Styrene
Concen: 54.336 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:104 Resp: 166504

Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.7	68.5
103	54.3	43.7	65.5

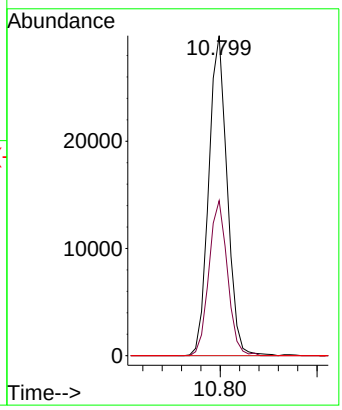




#71
Bromoform
Concen: 51.668 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:173 Resp: 3942

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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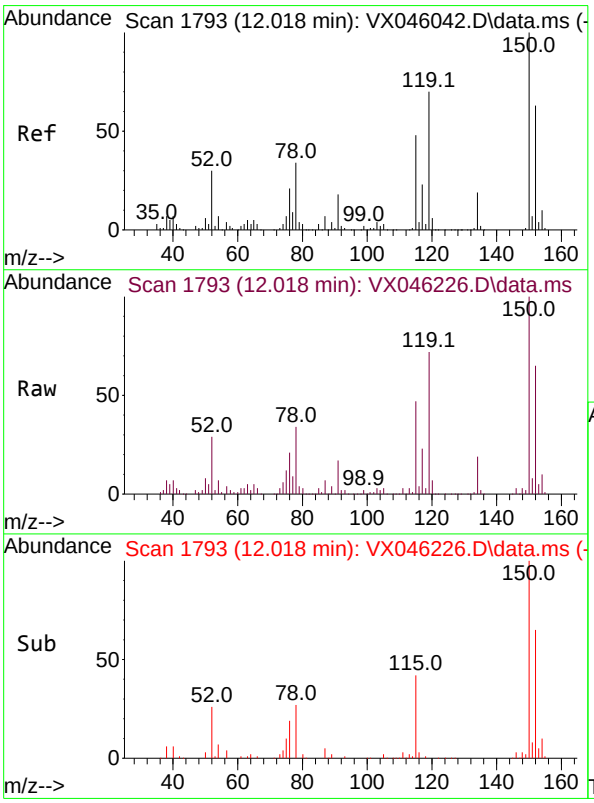
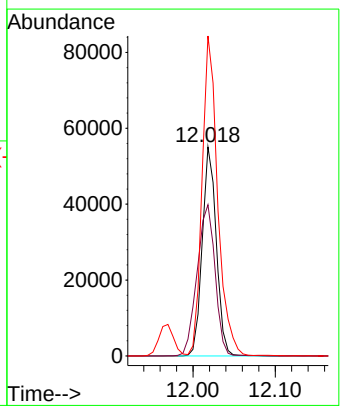
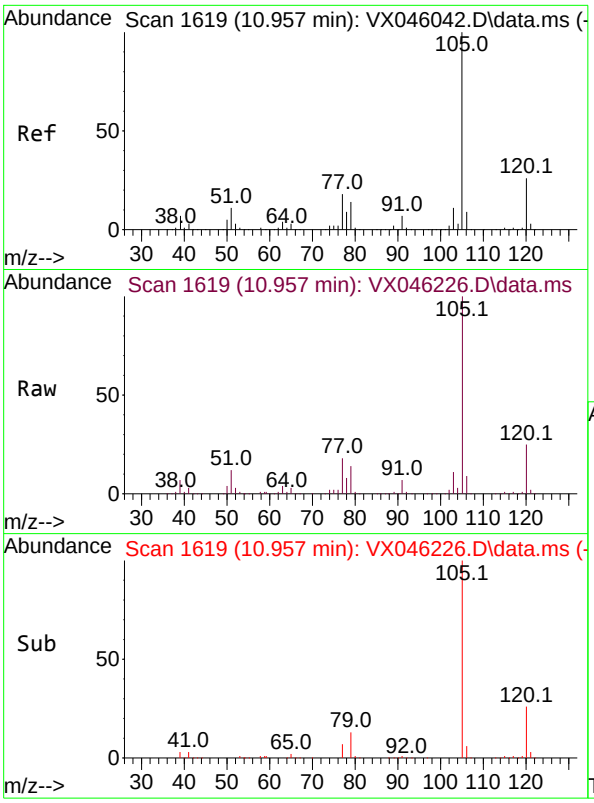


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:152 Resp: 65394

Ion	Ratio	Lower	Upper
152	100		
115	92.8	46.9	140.7
150	170.3	0.0	351.0





#73
Isopropylbenzene
Concen: 51.524 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

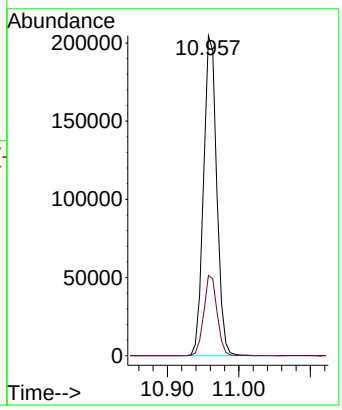
Tgt Ion:105 Resp: 26231

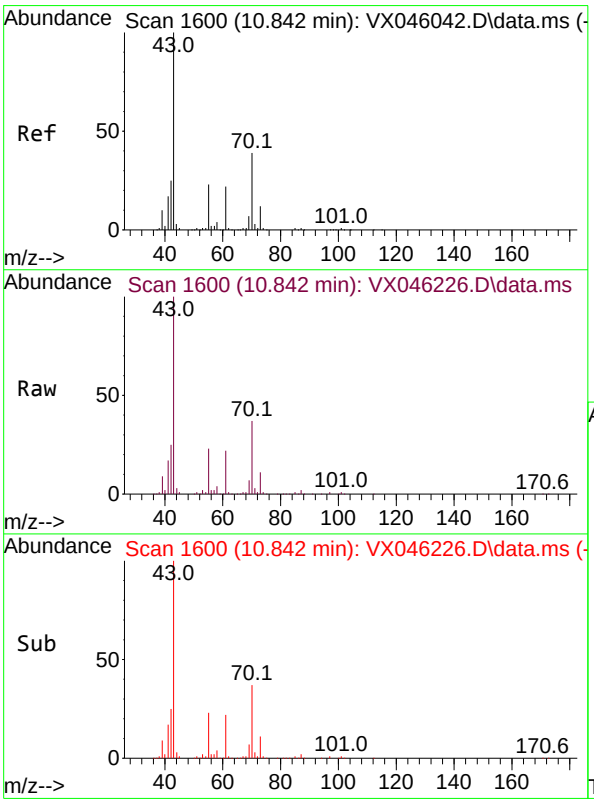
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

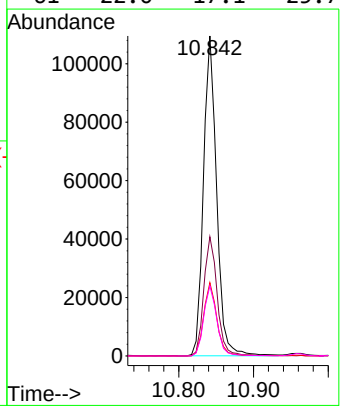


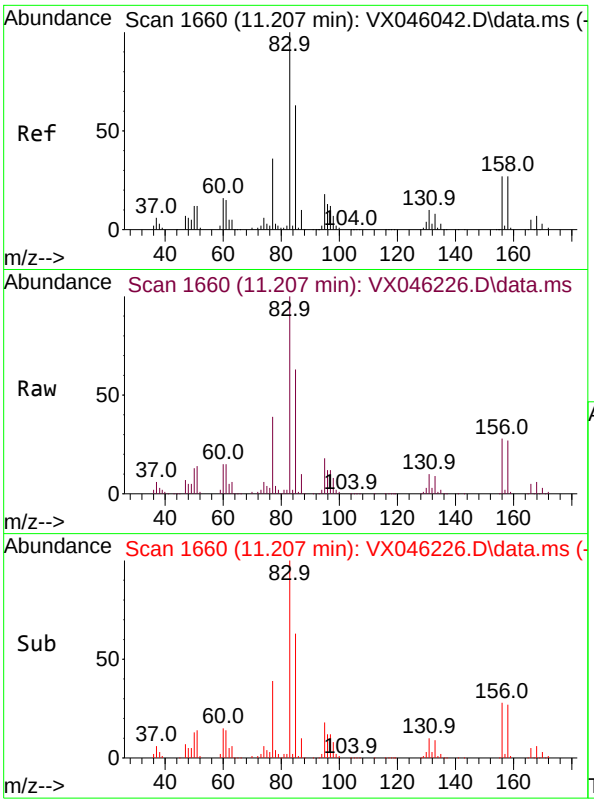


#74
N-amyl acetate
Concen: 53.064 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 133496

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.9	46.3
55	23.2	18.7	28.1
61	22.0	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 49.564 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 83 Resp: 8842

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	63.6	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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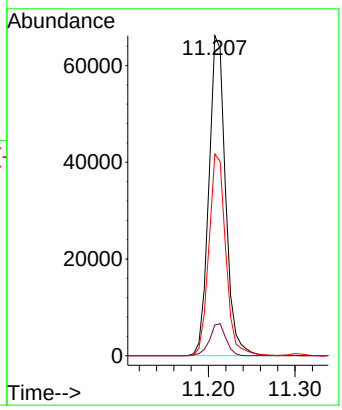
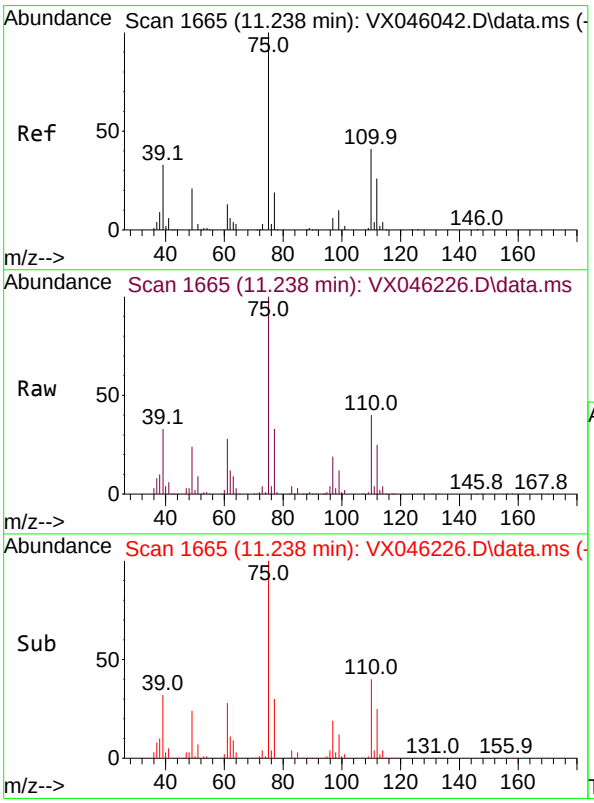
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

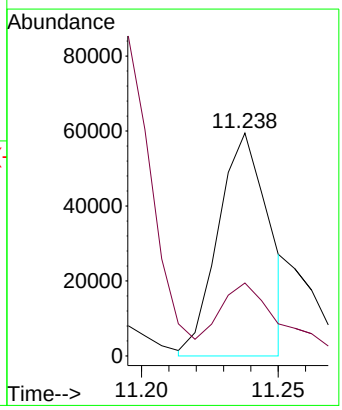


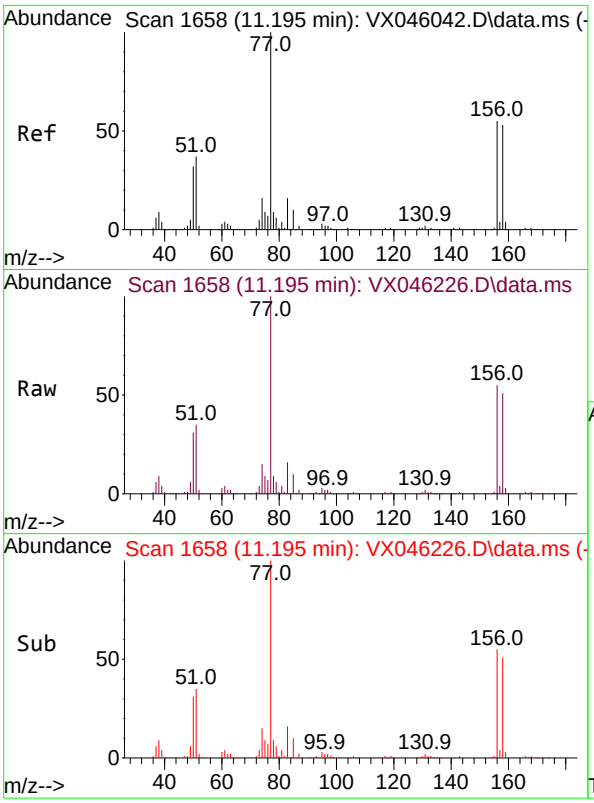


#76
1,2,3-Trichloropropane
Concen: 48.657 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 76589

Ion	Ratio	Lower	Upper
75	100		
77	40.4	20.5	61.5





#77
Bromobenzene
Concen: 50.050 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:156 Resp: 5915

Ion	Ratio	Lower	Upper
156	100		
77	186.7	92.8	278.3
158	96.3	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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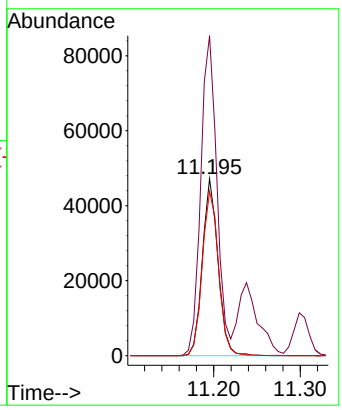
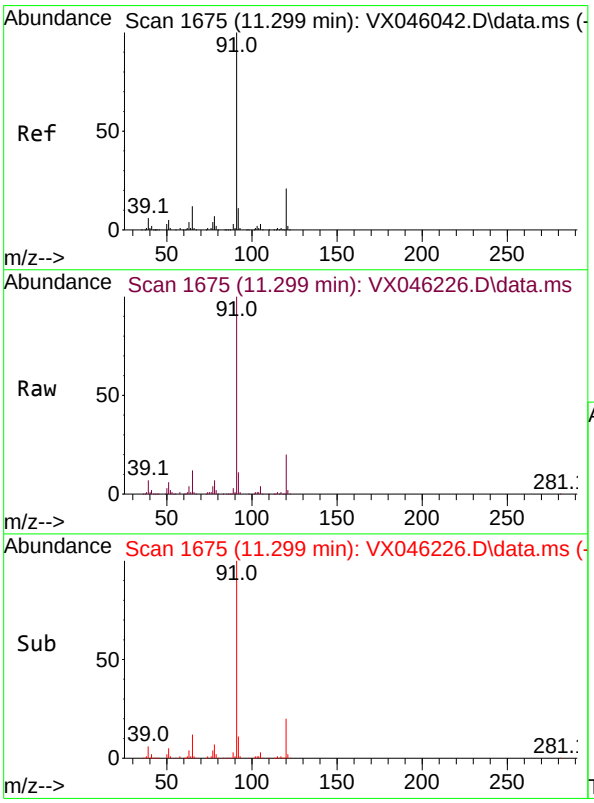
Supervised By :Mahesh Dadoda 05/16/2025

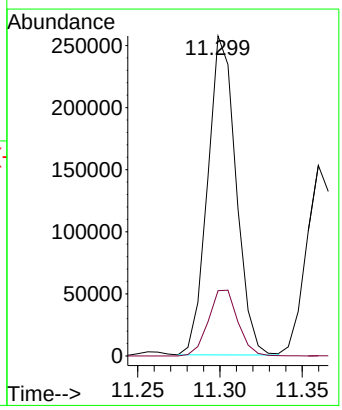


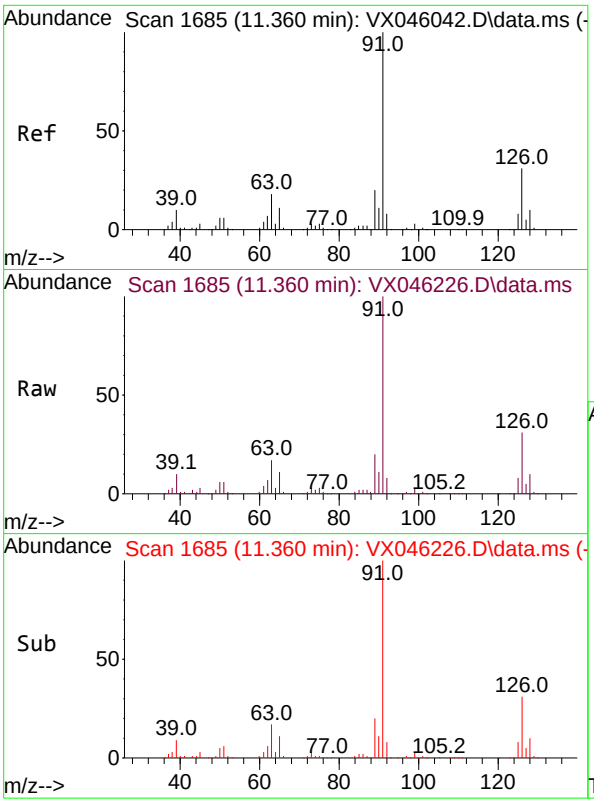


#78
n-propylbenzene
Concen: 52.153 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 91 Resp: 308726

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.4





#79
2-Chlorotoluene
Concen: 49.779 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 91 Resp: 19006

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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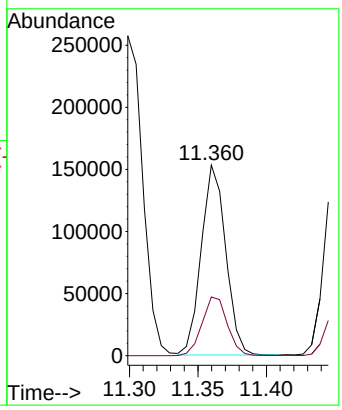
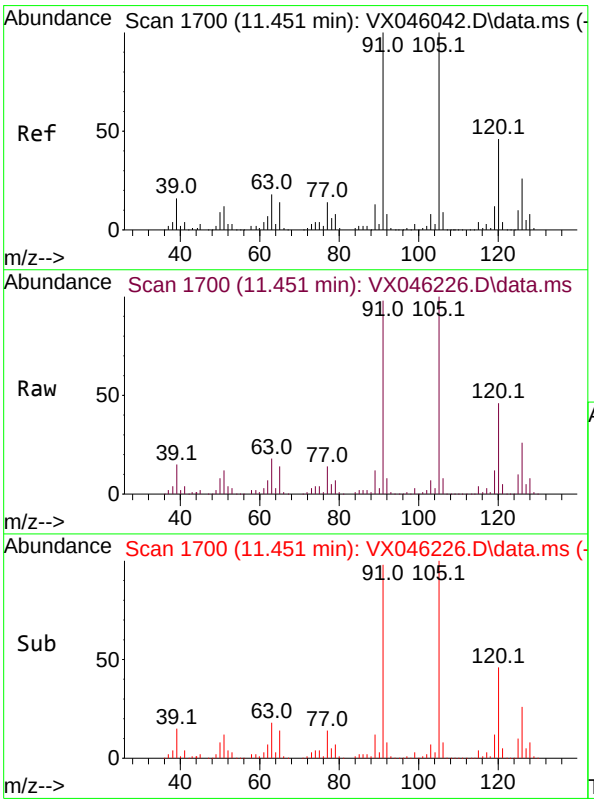
Supervised By :Mahesh Dadoda 05/16/2025

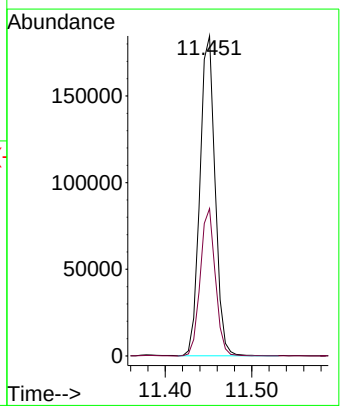


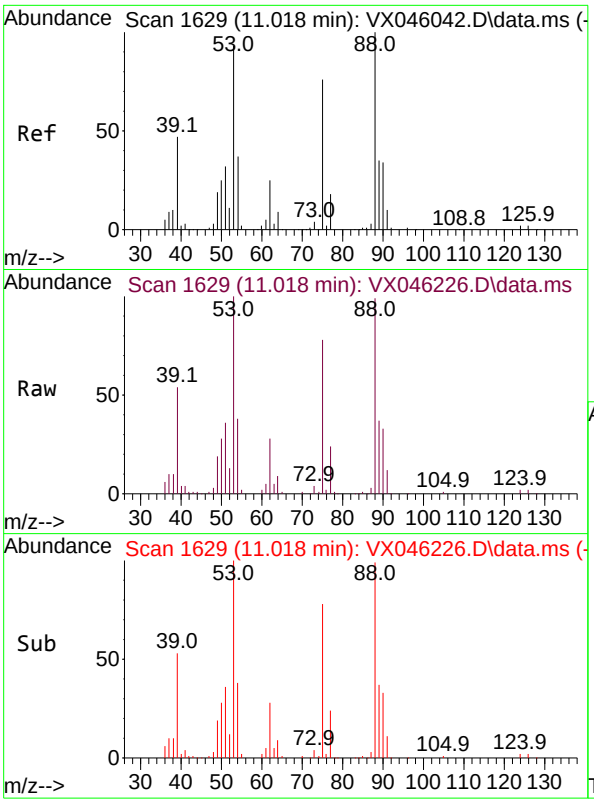


#80
1,3,5-Trimethylbenzene
Concen: 52.774 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:105 Resp: 224463

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 48.041 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 2322

Ion	Ratio	Lower	Upper
75	100		
53	127.4	100.5	150.7
89	48.1	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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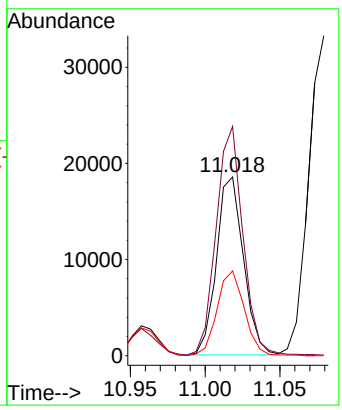
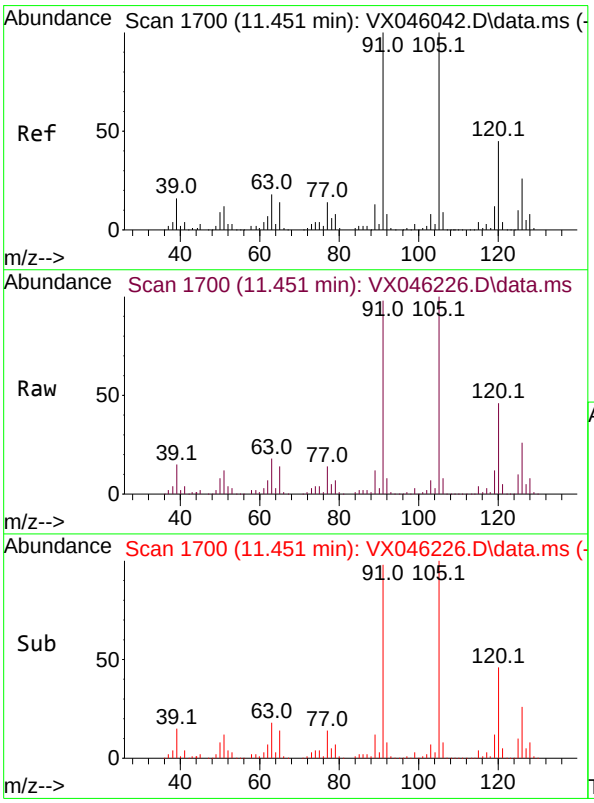
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

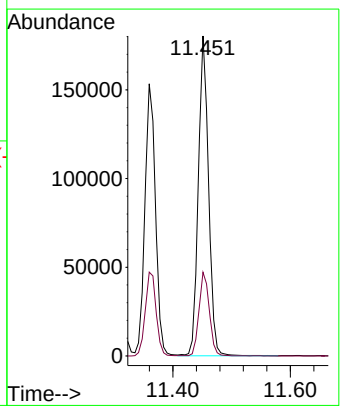


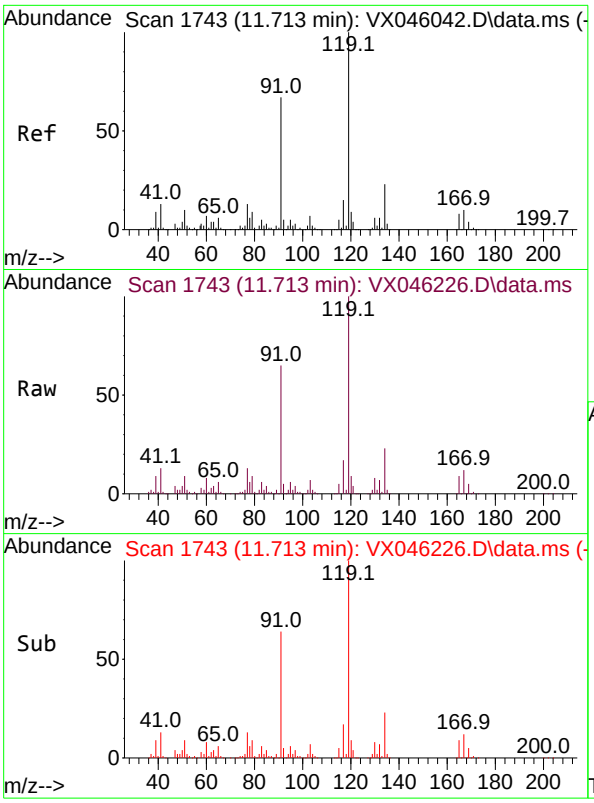


#82
4-Chlorotoluene
Concen: 51.472 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 91 Resp: 217944

Ion	Ratio	Lower	Upper
91	100		
126	26.6	13.3	39.8





#83
tert-Butylbenzene
Concen: 51.692 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:119 Resp: 22146

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.9	98.7
134	22.5	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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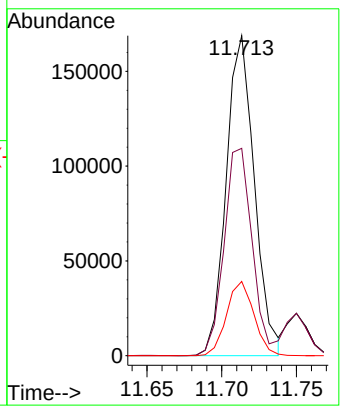
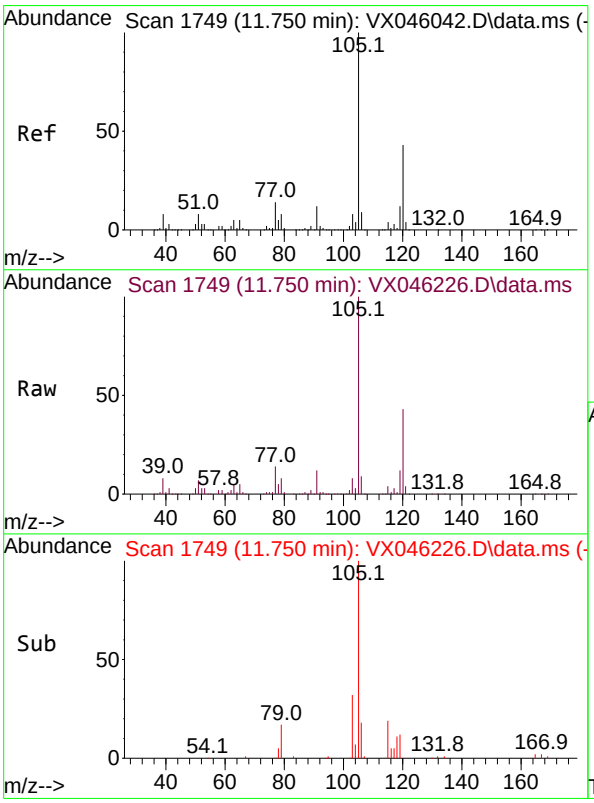
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

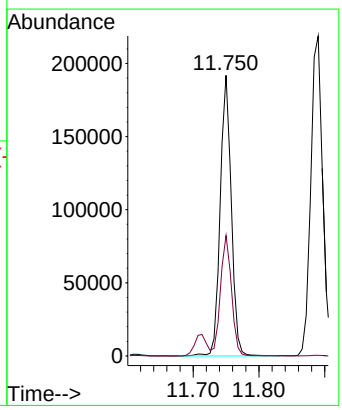


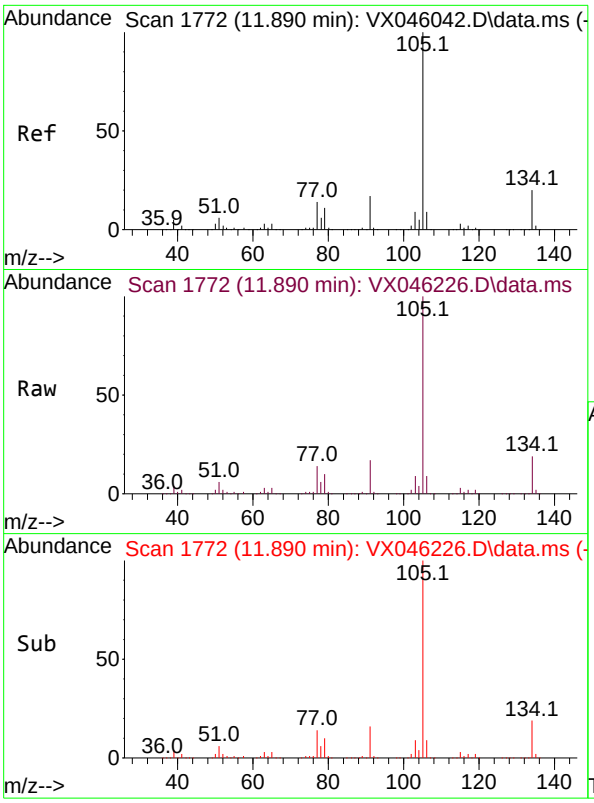


#84
1,2,4-Trimethylbenzene
Concen: 52.248 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:105 Resp: 225045

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.2	63.6





#85
sec-Butylbenzene
Concen: 51.652 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:105 Resp: 27170

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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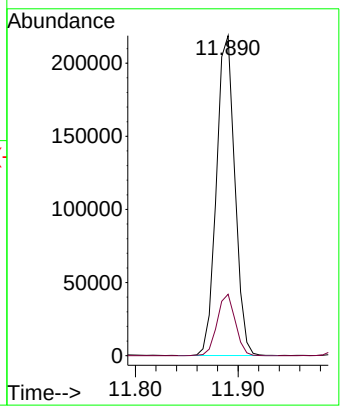
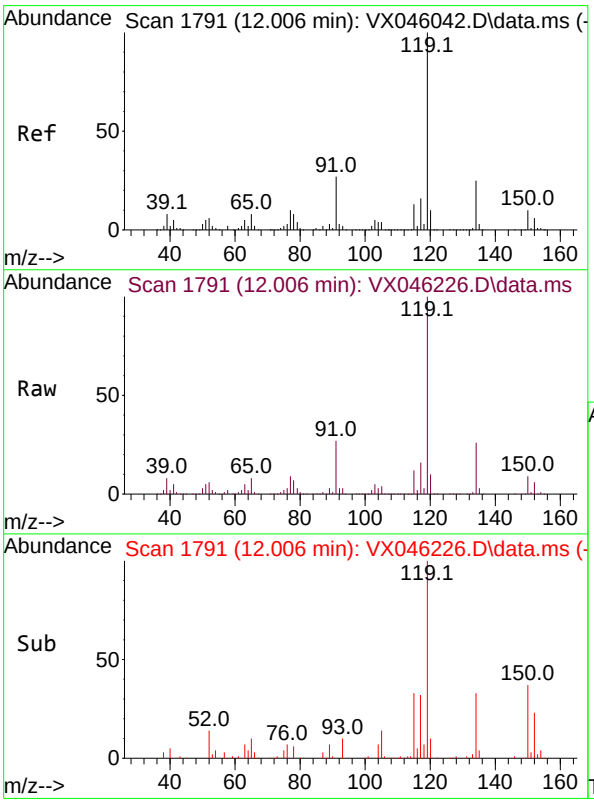
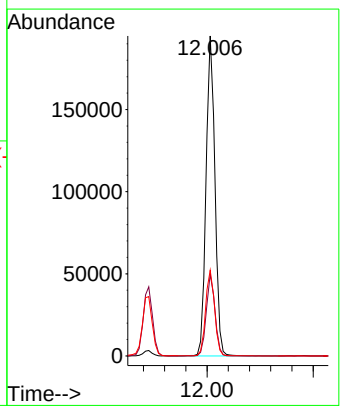


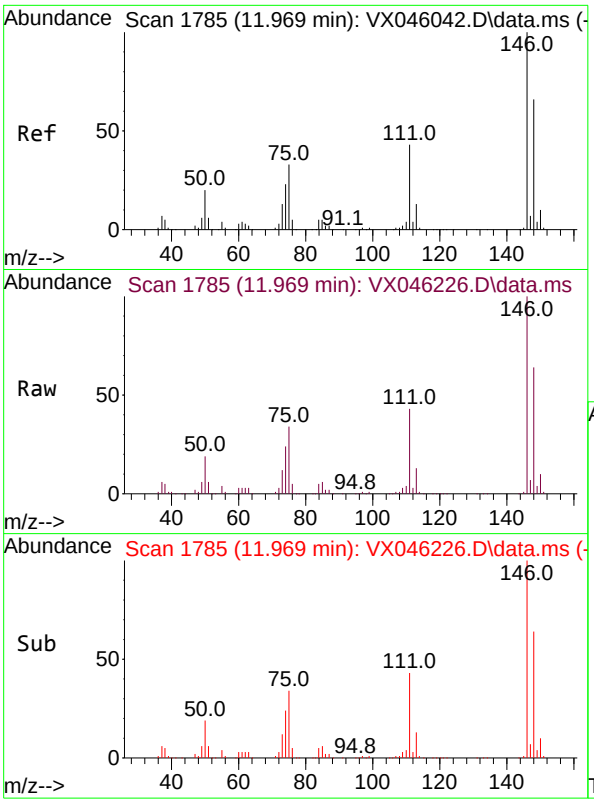


#86
p-Isopropyltoluene
Concen: 51.984 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:119 Resp: 225717

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	26.9	13.8	41.4

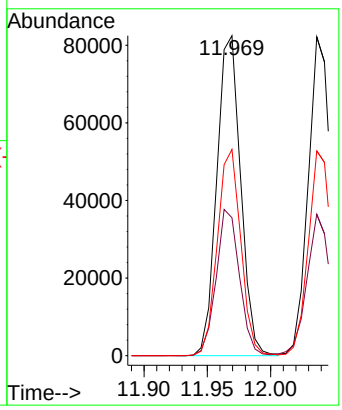




#87
1,3-Dichlorobenzene
Concen: 50.058 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:146 Resp: 10798

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.1	66.3
148	63.4	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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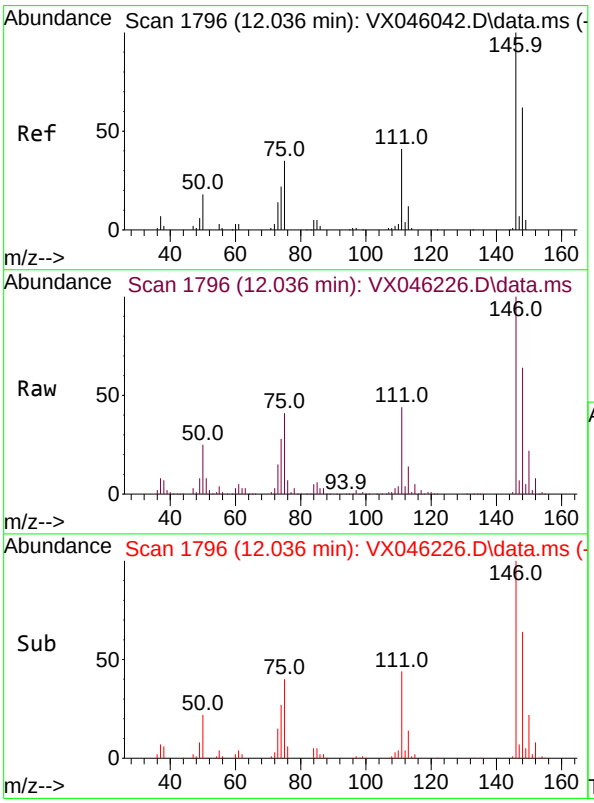
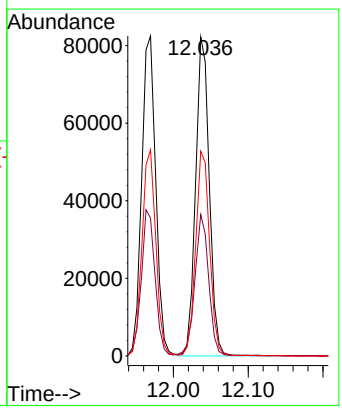
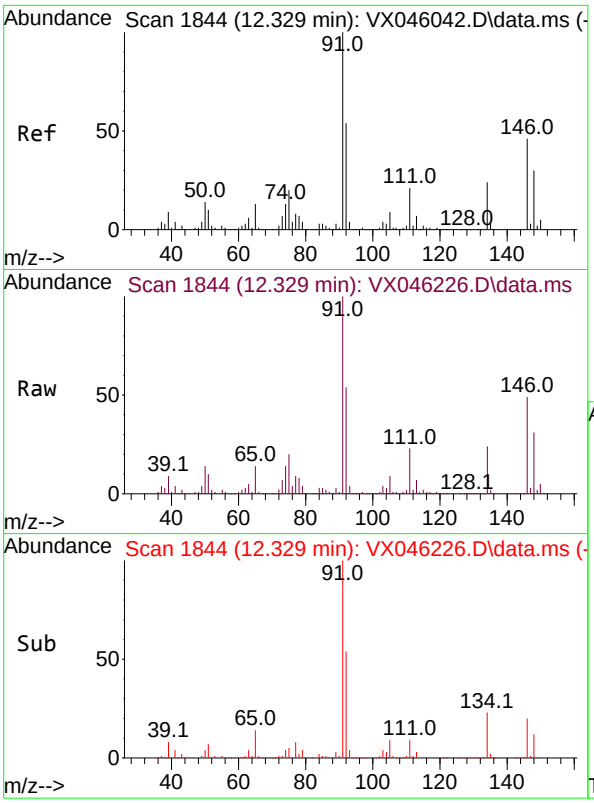


#88
1,4-Dichlorobenzene
Concen: 47.416 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:146 Resp: 104457

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.3	63.9
148	65.7	31.9	95.5





#89
n-Butylbenzene
Concen: 50.775 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 91 Resp: 19338

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.7
134	24.0	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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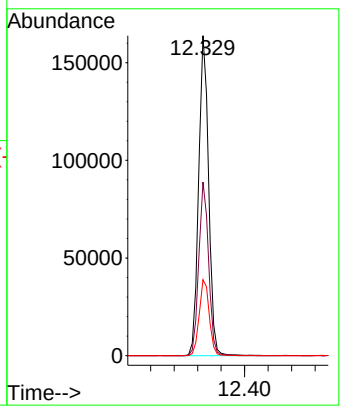
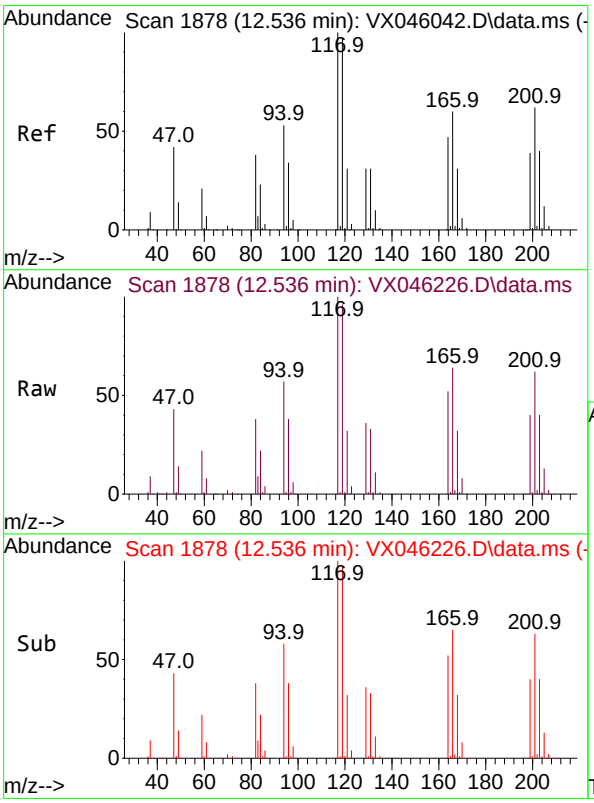
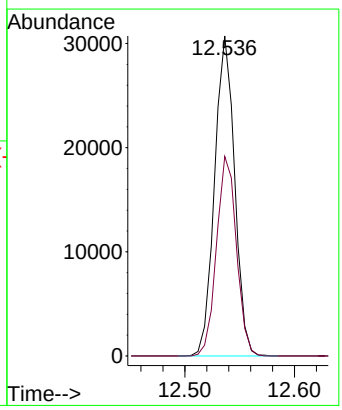


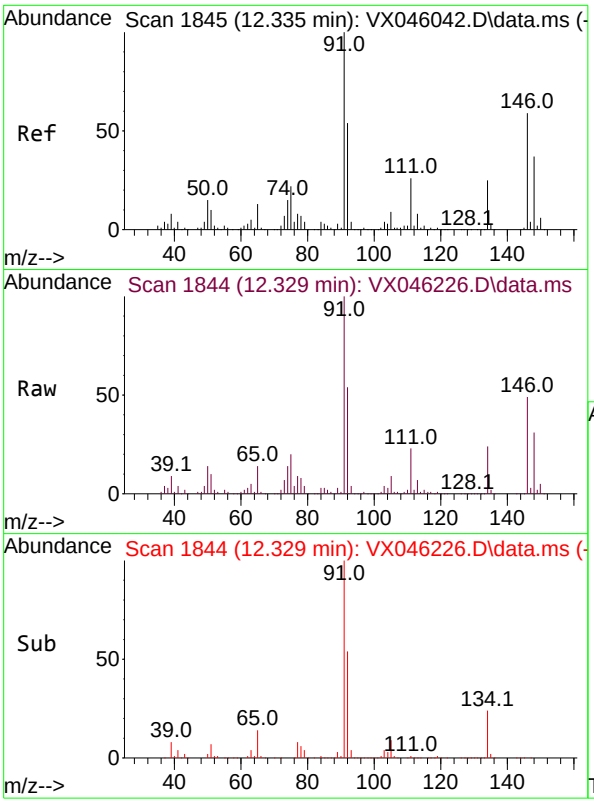


#90
Hexachloroethane
Concen: 51.070 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:117 Resp: 39067

Ion	Ratio	Lower	Upper
117	100		
201	62.0	31.6	94.7

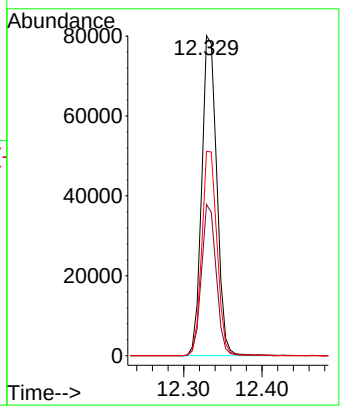




#91
1,2-Dichlorobenzene
Concen: 49.305 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:146 Resp: 10672

Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.4	67.3
148	64.6	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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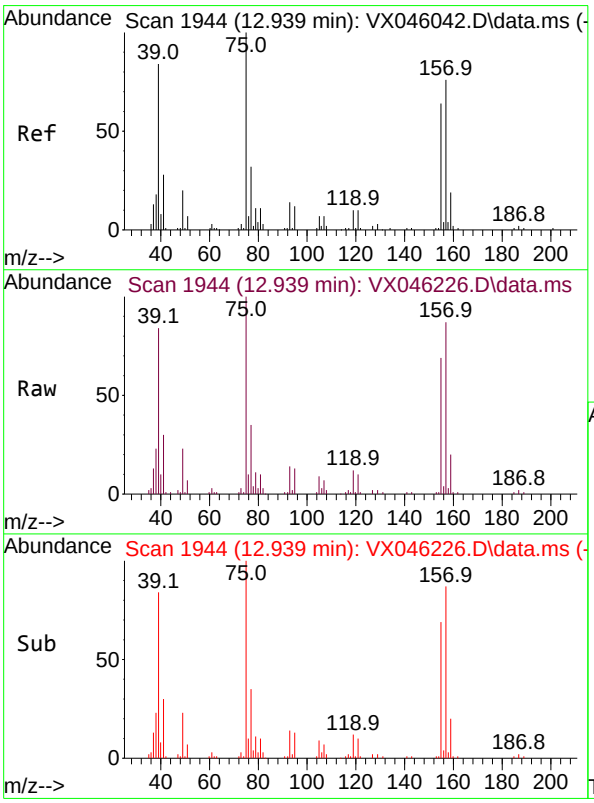
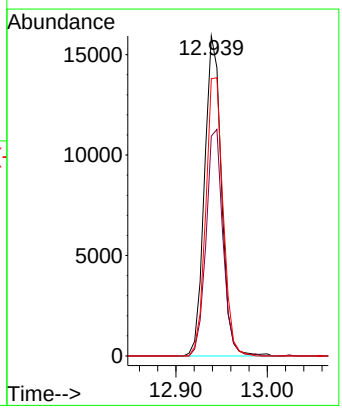
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

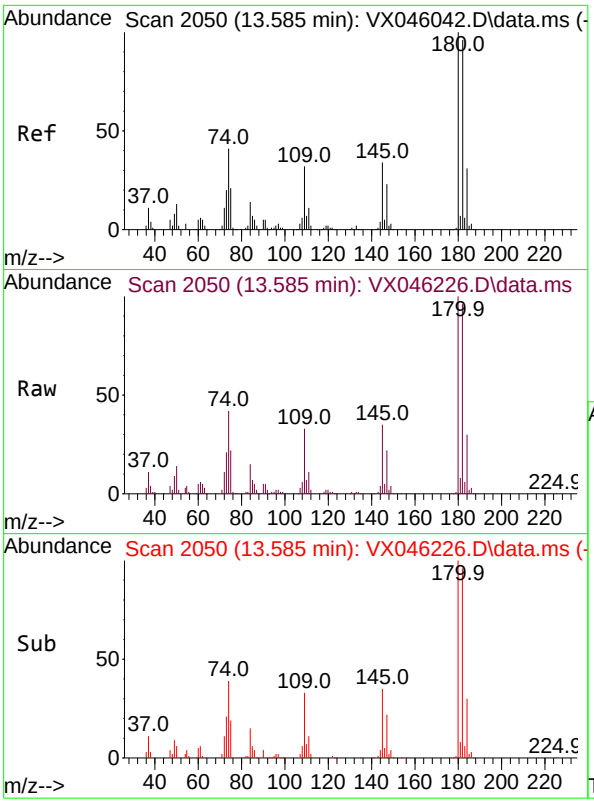


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.771 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 20462

Ion	Ratio	Lower	Upper
75	100		
155	70.2	34.9	104.8
157	88.4	43.8	131.4

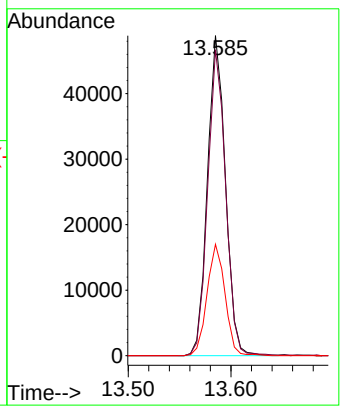




#93
1,2,4-Trichlorobenzene
Concen: 47.738 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:180 Resp: 5935

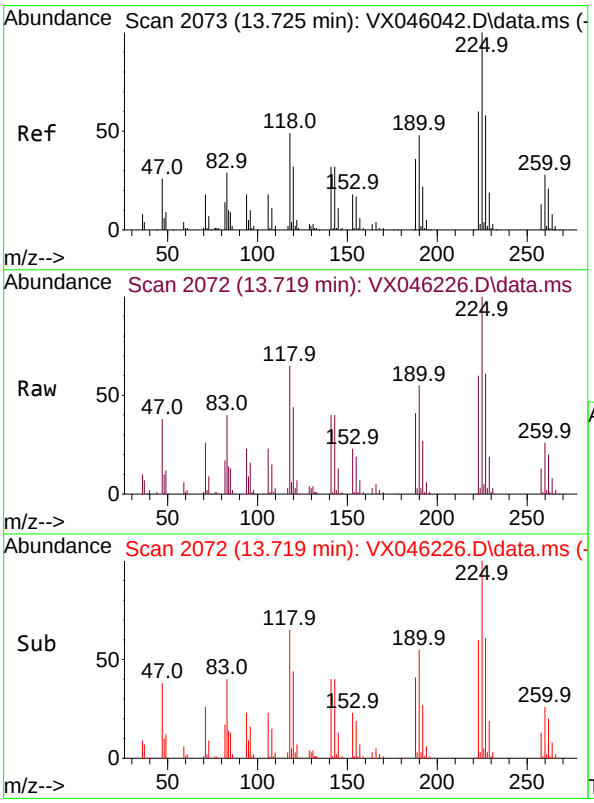
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	34.9	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

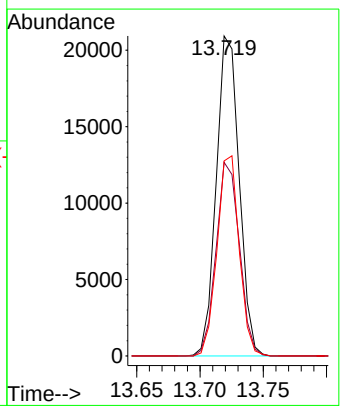
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

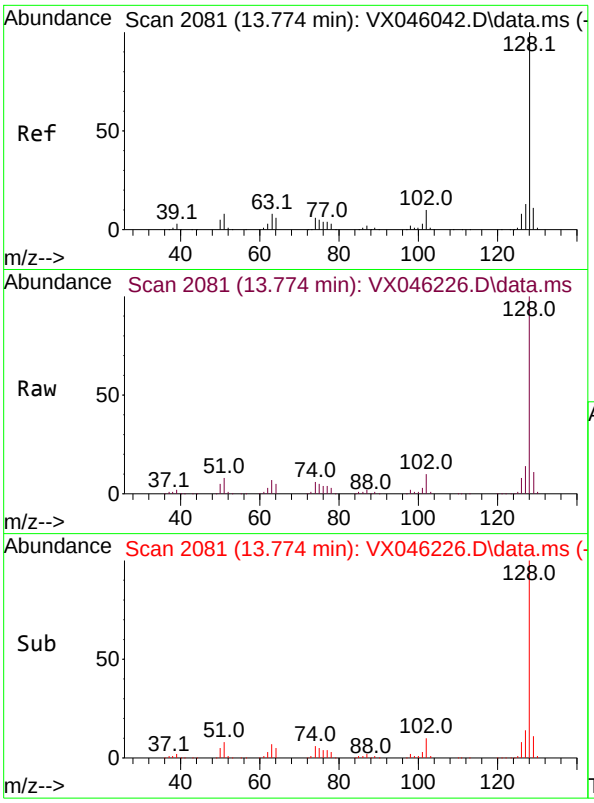


#94
Hexachlorobutadiene
Concen: 48.470 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:225 Resp: 26319

Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.8	92.4
227	60.5	30.9	92.7

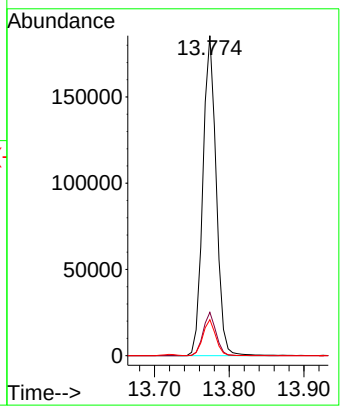




#95
Naphthalene
Concen: 50.350 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:128 Resp: 22959

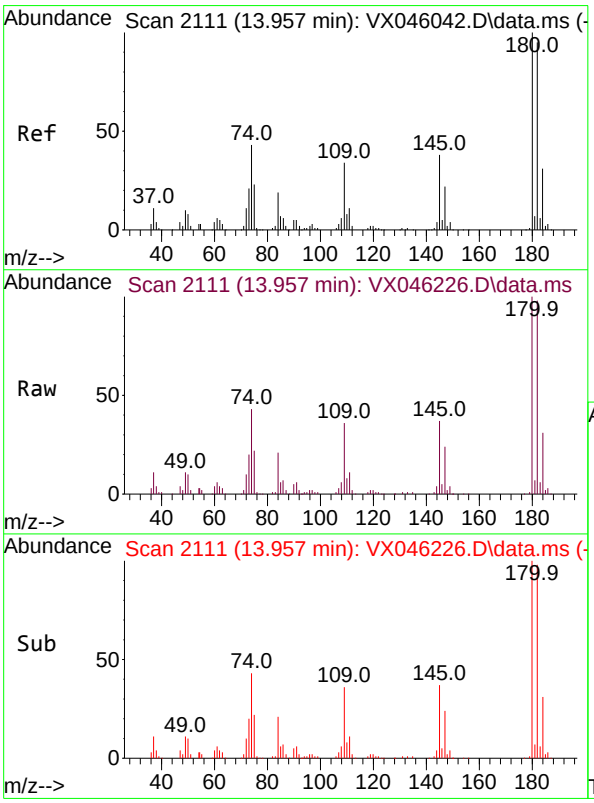
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

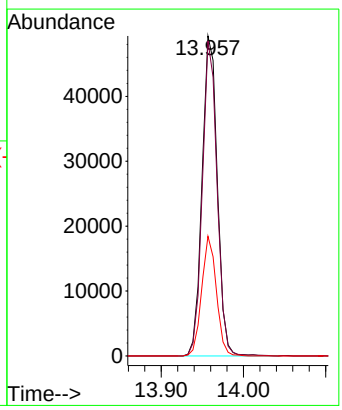
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.516 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:180 Resp: 63523

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.3
145	36.0	18.1	54.3



Sample Results: **VX046226.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 16 01:11:30 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	90	0.00
2	T	Dichlorodifluoromethane	0.765	0.788	-3.0	82	0.00
3	P	Chloromethane	0.742	0.751	-1.2	87	0.00
4	C	Vinyl Chloride	0.691	0.688	0.4#	87	0.00
5	T	Bromomethane	0.320	0.304	5.0	84	0.00
6	T	Chloroethane	0.369	0.380	-3.0	90	0.00
7	T	Trichlorofluoromethane	1.021	1.042	-2.1	88	0.00
8	T	Diethyl Ether	0.347	0.346	0.3	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.632	0.0	88	0.00
10	T	Methyl Iodide	0.747	0.737	1.3	82	0.00
11	T	Tert butyl alcohol	0.131	0.139	-6.1	97	0.00
12	CM	1,1-Dichloroethene	0.593	0.583	1.7#	87	0.00
13	T	Acrolein	0.149	0.182	-22.1	107	0.00
14	T	Allyl chloride	1.133	1.182	-4.3	90	0.00
15	T	Acrylonitrile	0.374	0.409	-9.4	95	0.00
16	T	Acetone	0.374	0.390	-4.3	97	0.00
17	T	Carbon Disulfide	1.406	1.298	7.7	80	0.00
18	T	Methyl Acetate	0.867	1.041	-20.1	110	0.00
19	T	Methyl tert-butyl Ether	2.079	2.200	-5.8	91	0.00
20	T	Methylene Chloride	0.716	0.691	3.5	91	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.592	0.7	87	0.00
22	T	Diisopropyl ether	2.189	2.357	-7.7	93	0.00
23	T	Vinyl Acetate	1.925	2.078	-7.9	91	0.00
24	P	1,1-Dichloroethane	1.219	1.261	-3.4	90	0.00
25	T	2-Butanone	0.543	0.593	-9.2	96	0.00
26	T	2,2-Dichloropropane	0.954	0.840	11.9	79	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.724	-0.8	88	0.00
28	T	Bromochloromethane	0.587	0.613	-4.4	95	0.00
29	T	Tetrahydrofuran	0.340	0.372	-9.4	95	0.00
30	C	Chloroform	1.271	1.306	-2.8#	90	0.00
31	T	Cyclohexane	1.111	1.106	0.5	88	0.00
32	T	1,1,1-Trichloroethane	1.101	1.149	-4.4	91	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.923	1.0	91	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.360	0.369	-2.5	95	0.00
36	T	1,1-Dichloropropene	0.484	0.479	1.0	88	0.00
37	T	Ethyl Acetate	0.598	0.620	-3.7	93	0.00
38	T	Carbon Tetrachloride	0.544	0.552	-1.5	90	0.00
39	T	Methylcyclohexane	0.623	0.600	3.7	85	0.00
40	TM	Benzene	1.417	1.453	-2.5	90	0.00
41	T	Methacrylonitrile	0.313	0.357	-14.1	94	0.00
42	TM	1,2-Dichloroethane	0.612	0.624	-2.0	91	0.00
43	T	Isopropyl Acetate	0.912	0.989	-8.4	94	0.00
44	TM	Trichloroethene	0.341	0.339	0.6	87	0.00
45	C	1,2-Dichloropropane	0.352	0.379	-7.7#	93	0.00
46	T	Dibromomethane	0.278	0.283	-1.8	90	0.00
47	T	Bromodichloromethane	0.547	0.579	-5.9	92	0.00
48	T	Methyl methacrylate	0.466	0.526	-12.9	96	0.00

Sample Results: **VX046226.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 16 01:11:30 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	0.010	-11.1	96	0.00
50	S	Toluene-d8	1.246	1.242	0.3	93	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.676	-11.7	97	0.00
52	CM	Toluene	0.869	0.895	-3.0#	91	0.00
53	T	t-1,3-Dichloropropene	0.487	0.511	-4.9	88	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.563	-4.6	89	0.00
55	T	1,1,2-Trichloroethane	0.343	0.367	-7.0	95	0.00
56	T	Ethyl methacrylate	0.546	0.619	-13.4	95	0.00
57	T	1,3-Dichloropropane	0.615	0.631	-2.6	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.312	-12.2	93	0.00
59	T	2-Hexanone	0.448	0.498	-11.2	96	0.00
60	T	Dibromochloromethane	0.376	0.408	-8.5	93	0.00
61	T	1,2-Dibromoethane	0.356	0.378	-6.2	92	0.00
62	S	4-Bromofluorobenzene	0.478	0.482	-0.8	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.354	0.324	8.5	80	0.00
65	PM	Chlorobenzene	1.094	1.101	-0.6	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.386	-3.2	92	0.00
67	C	Ethyl Benzene	1.929	2.000	-3.7#	92	0.00
68	T	m/p-Xylenes	0.706	0.733	-3.8	92	0.00
69	T	o-Xylene	0.688	0.721	-4.8	92	0.00
70	T	Styrene	1.127	1.224	-8.6	93	0.00
71	P	Bromoform	0.281	0.290	-3.2	89	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.893	4.011	-3.0	93	0.00
74	T	N-amyl acetate	1.924	2.041	-6.1	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.352	0.9	97	0.00
76	T	1,2,3-Trichloropropane	1.204	1.171	2.7	95	0.00
77	T	Bromobenzene	0.904	0.905	-0.1	94	0.00
78	T	n-propylbenzene	4.526	4.721	-4.3	94	0.00
79	T	2-Chlorotoluene	2.919	2.906	0.4	93	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.432	-5.5	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.355	4.1	89	0.00
82	T	4-Chlorotoluene	3.238	3.333	-2.9	93	0.00
83	T	tert-Butylbenzene	3.276	3.387	-3.4	95	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.441	-4.5	94	0.00
85	T	sec-Butylbenzene	4.022	4.155	-3.3	93	0.00
86	T	p-Isopropyltoluene	3.320	3.452	-4.0	93	0.00
87	T	1,3-Dichlorobenzene	1.649	1.651	-0.1	93	0.00
88	T	1,4-Dichlorobenzene	1.684	1.597	5.2	91	0.00
89	T	n-Butylbenzene	2.912	2.957	-1.5	90	0.00
90	T	Hexachloroethane	0.585	0.597	-2.1	92	0.00
91	T	1,2-Dichlorobenzene	1.655	1.632	1.4	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.313	-3.6	93	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.908	4.5	89	0.00
94	T	Hexachlorobutadiene	0.415	0.402	3.1	91	0.00
95	T	Naphthalene	3.487	3.511	-0.7	93	0.00

Sample Results: **VX046226.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 16 01:11:30 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	0.971	1.0	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX046226.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 16 01:11:30 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	90	0.00
2	T	Dichlorodifluoromethane	50.000	51.506	-3.0	82	0.00
3	P	Chloromethane	50.000	50.566	-1.1	87	0.00
4	C	Vinyl Chloride	50.000	49.812	0.4#	87	0.00
5	T	Bromomethane	50.000	47.386	5.2	84	0.00
6	T	Chloroethane	50.000	51.571	-3.1	90	0.00
7	T	Trichlorofluoromethane	50.000	51.019	-2.0	88	0.00
8	T	Diethyl Ether	50.000	49.764	0.5	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.994	0.0	88	0.00
10	T	Methyl Iodide	50.000	49.279	1.4	82	0.00
11	T	Tert butyl alcohol	250.000	266.245	-6.5	97	0.00
12	CM	1,1-Dichloroethene	50.000	49.159	1.7#	87	0.00
13	T	Acrolein	250.000	305.994	-22.4	107	0.00
14	T	Allyl chloride	50.000	52.143	-4.3	90	0.00
15	T	Acrylonitrile	250.000	273.442	-9.4	95	0.00
16	T	Acetone	250.000	261.130	-4.5	97	0.00
17	T	Carbon Disulfide	50.000	46.164	7.7	80	0.00
18	T	Methyl Acetate	50.000	59.995	-20.0	110	0.00
19	T	Methyl tert-butyl Ether	50.000	52.931	-5.9	91	0.00
20	T	Methylene Chloride	50.000	48.210	3.6	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.652	0.7	87	0.00
22	T	Diisopropyl ether	50.000	53.851	-7.7	93	0.00
23	T	Vinyl Acetate	250.000	269.908	-8.0	91	0.00
24	P	1,1-Dichloroethane	50.000	51.736	-3.5	90	0.00
25	T	2-Butanone	250.000	273.039	-9.2	96	0.00
26	T	2,2-Dichloropropane	50.000	44.030	11.9	79	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.450	-0.9	88	0.00
28	T	Bromochloromethane	50.000	52.197	-4.4	95	0.00
29	T	Tetrahydrofuran	250.000	273.198	-9.3	95	0.00
30	C	Chloroform	50.000	51.396	-2.8#	90	0.00
31	T	Cyclohexane	50.000	49.799	0.4	88	0.00
32	T	1,1,1-Trichloroethane	50.000	52.144	-4.3	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.533	0.9	91	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	51.213	-2.4	95	0.00
36	T	1,1-Dichloropropene	50.000	49.489	1.0	88	0.00
37	T	Ethyl Acetate	50.000	51.877	-3.8	93	0.00
38	T	Carbon Tetrachloride	50.000	50.735	-1.5	90	0.00
39	T	Methylcyclohexane	50.000	48.176	3.6	85	0.00
40	TM	Benzene	50.000	51.280	-2.6	90	0.00
41	T	Methacrylonitrile	50.000	57.029	-14.1	94	0.00
42	TM	1,2-Dichloroethane	50.000	51.037	-2.1	91	0.00
43	T	Isopropyl Acetate	50.000	54.206	-8.4	94	0.00
44	TM	Trichloroethene	50.000	49.769	0.5	87	0.00
45	C	1,2-Dichloropropane	50.000	53.759	-7.5#	93	0.00
46	T	Dibromomethane	50.000	50.931	-1.9	90	0.00
47	T	Bromodichloromethane	50.000	52.911	-5.8	92	0.00
48	T	Methyl methacrylate	50.000	56.485	-13.0	96	0.00

Sample Results: **VX046226.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 16 01:11:30 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	1087.625	-8.8	96	0.00
50	S	Toluene-d8	50.000	49.825	0.3	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	279.132	-11.7	97	0.00
52	CM	Toluene	50.000	51.520	-3.0#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	52.535	-5.1	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.332	-4.7	89	0.00
55	T	1,1,2-Trichloroethane	50.000	53.584	-7.2	95	0.00
56	T	Ethyl methacrylate	50.000	56.672	-13.3	95	0.00
57	T	1,3-Dichloropropane	50.000	51.288	-2.6	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	279.889	-12.0	93	0.00
59	T	2-Hexanone	250.000	278.290	-11.3	96	0.00
60	T	Dibromochloromethane	50.000	54.211	-8.4	93	0.00
61	T	1,2-Dibromoethane	50.000	53.041	-6.1	92	0.00
62	S	4-Bromofluorobenzene	50.000	50.452	-0.9	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	45.780	8.4	80	0.00
65	PM	Chlorobenzene	50.000	50.311	-0.6	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.595	-3.2	92	0.00
67	C	Ethyl Benzene	50.000	51.845	-3.7#	92	0.00
68	T	m/p-Xylenes	100.000	103.822	-3.8	92	0.00
69	T	o-Xylene	50.000	52.440	-4.9	92	0.00
70	T	Styrene	50.000	54.336	-8.7	93	0.00
71	P	Bromoform	50.000	51.668	-3.3	89	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	51.524	-3.0	93	0.00
74	T	N-amyl acetate	50.000	53.064	-6.1	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.564	0.9	97	0.00
76	T	1,2,3-Trichloropropane	50.000	48.657	2.7	95	0.00
77	T	Bromobenzene	50.000	50.050	-0.1	94	0.00
78	T	n-propylbenzene	50.000	52.153	-4.3	94	0.00
79	T	2-Chlorotoluene	50.000	49.779	0.4	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.774	-5.5	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.041	3.9	89	0.00
82	T	4-Chlorotoluene	50.000	51.472	-2.9	93	0.00
83	T	tert-Butylbenzene	50.000	51.692	-3.4	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.248	-4.5	94	0.00
85	T	sec-Butylbenzene	50.000	51.652	-3.3	93	0.00
86	T	p-Isopropyltoluene	50.000	51.984	-4.0	93	0.00
87	T	1,3-Dichlorobenzene	50.000	50.058	-0.1	93	0.00
88	T	1,4-Dichlorobenzene	50.000	47.416	5.2	91	0.00
89	T	n-Butylbenzene	50.000	50.775	-1.5	90	0.00
90	T	Hexachloroethane	50.000	51.070	-2.1	92	0.00
91	T	1,2-Dichlorobenzene	50.000	49.305	1.4	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.771	-3.5	93	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.738	4.5	89	0.00
94	T	Hexachlorobutadiene	50.000	48.470	3.1	91	0.00
95	T	Naphthalene	50.000	50.350	-0.7	93	0.00

Sample Results: **VX046226.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 16 01:11:30 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	49.516	1.0	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

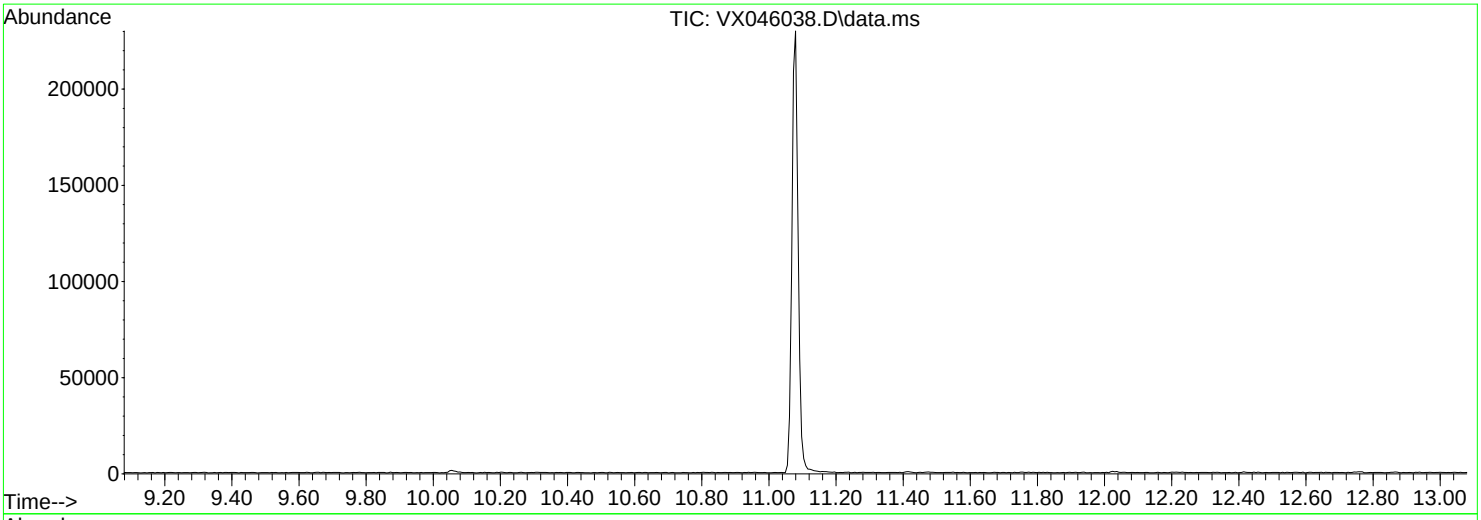
Sample Results: **VX046038.D**

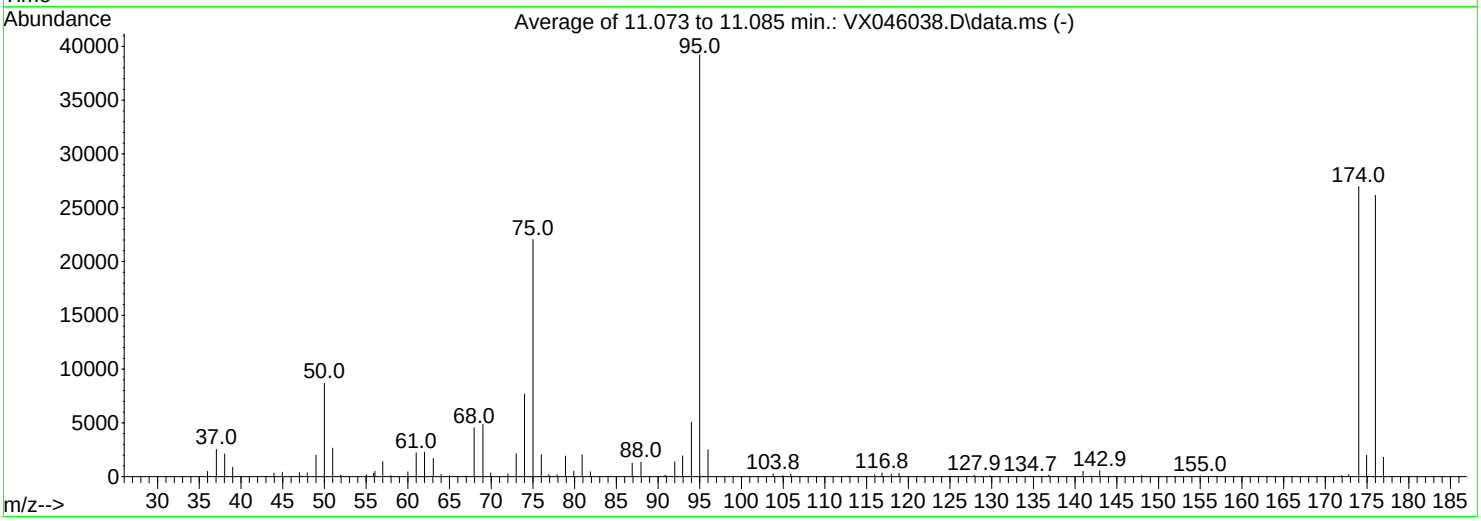
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

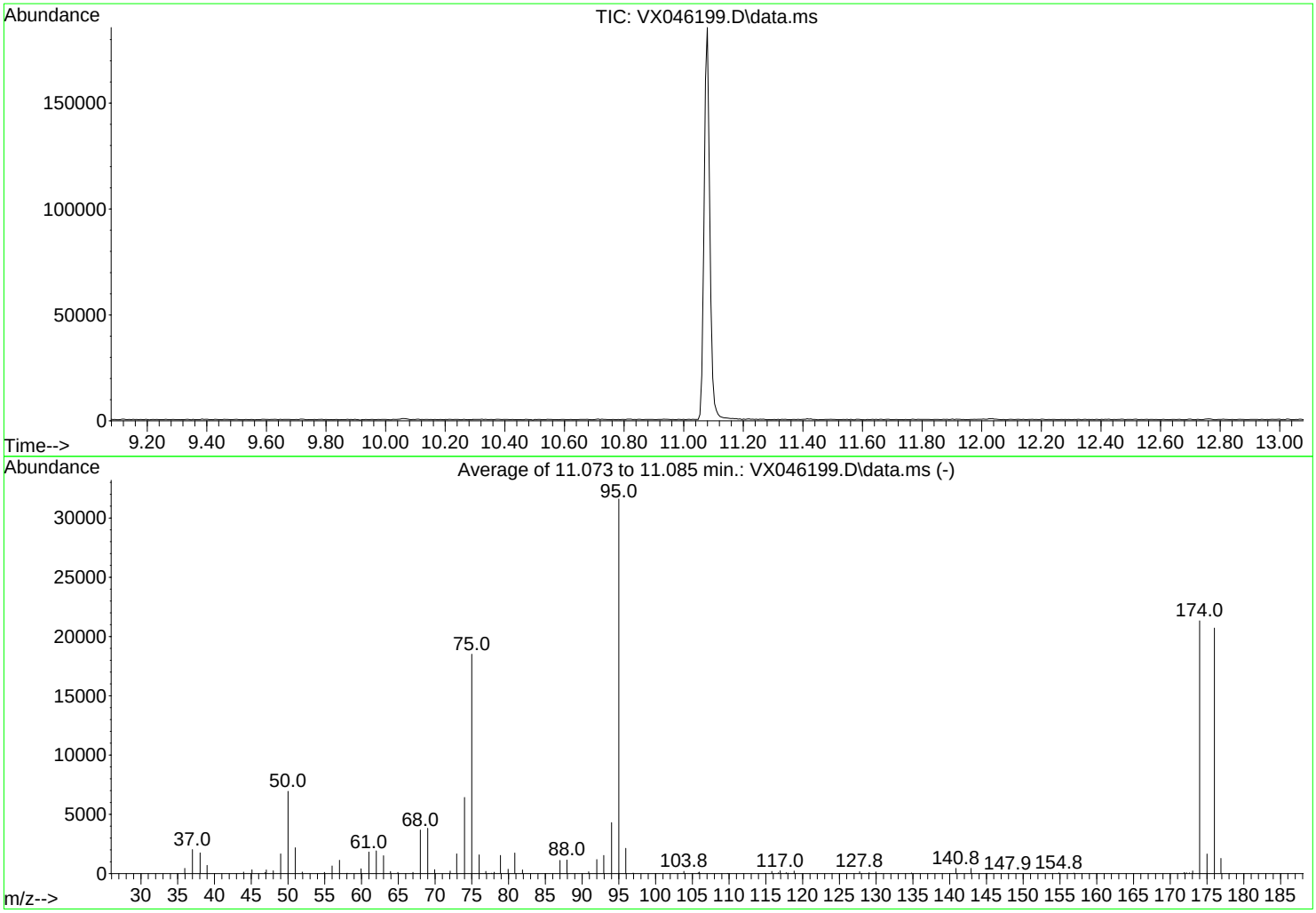
Sample Results: **VX046199.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046199.D
Acq On : 15 May 2025 08:47
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	21.9	6937	PASS
75	95	30	60	58.6	18511	PASS
95	95	100	100	100.0	31605	PASS
96	95	5	9	6.8	2134	PASS
173	174	0.00	2	1.1	225	PASS
174	95	50	100	67.5	21323	PASS
175	174	5	9	7.8	1660	PASS
176	174	95	101	97.2	20720	PASS
177	176	5	9	6.2	1278	PASS

Raw Data: **VX046202.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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0515WBL01	SDG No.:	Q2050
Lab Sample ID:	VX0515WBL01	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
VX046202.D	1		05/15/25 10:38	VX051525

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

Raw Data: **VX046202.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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0515WBL01	SDG No.:	Q2050
Lab Sample ID:	VX0515WBL01	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
VX046202.D	1		05/15/25 10:38	VX051525

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	54.2		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65800	5.544				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51400	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

Sample Results: **VX046202.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Quant Time: May 16 01:01:57 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	5.544	168	65765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66447	54.195	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.400%			
35) Dibromofluoromethane	5.379	113	48539	51.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	8.647	98	163643	50.159	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	61253	48.946	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.900%			

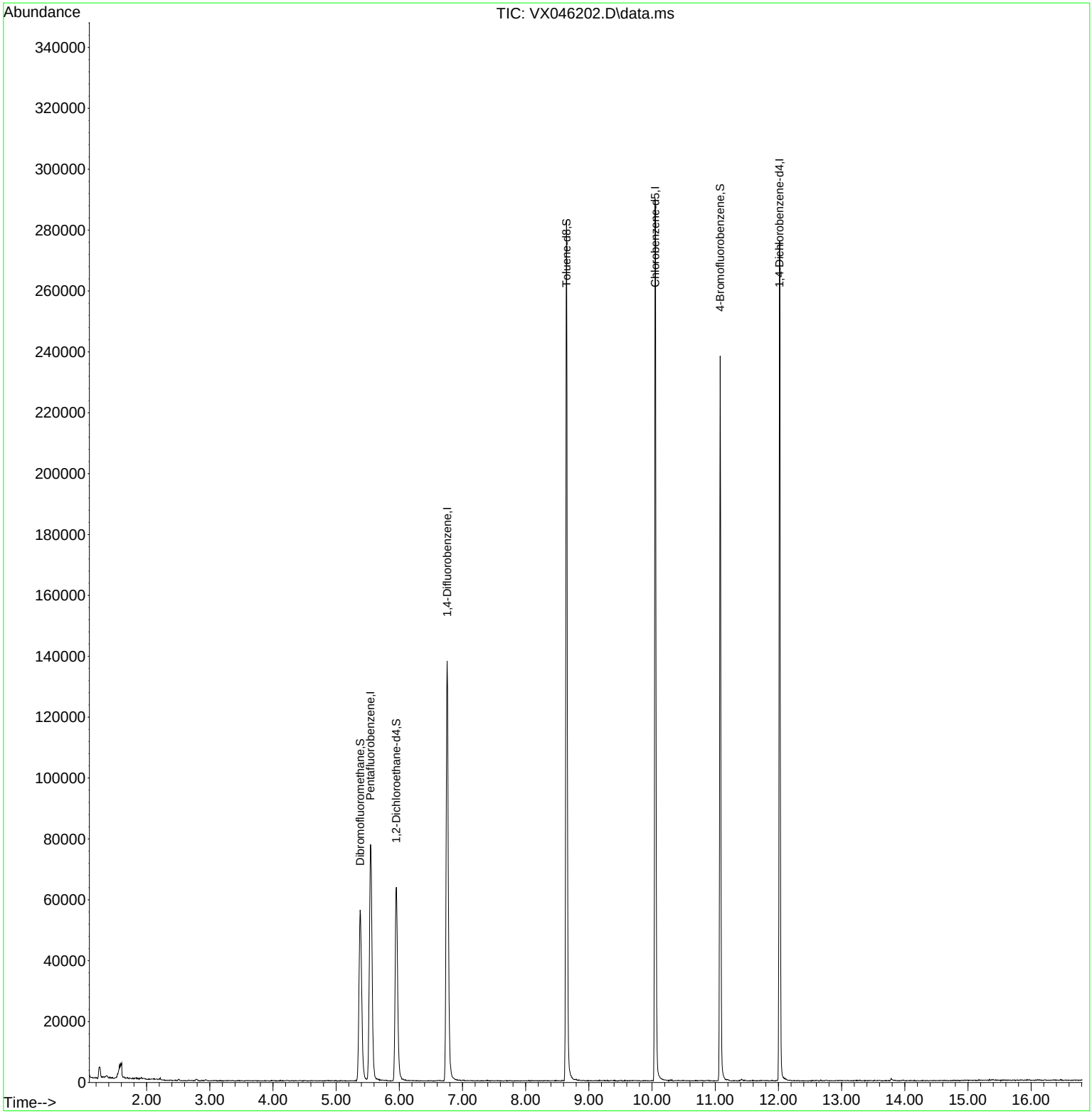
Target Compounds Qvalue

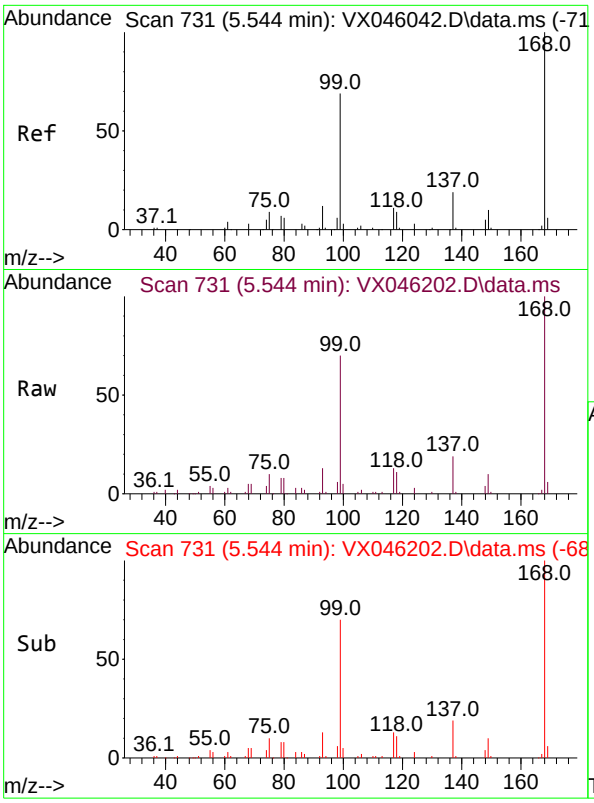
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Quant Time: May 16 01:01:57 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



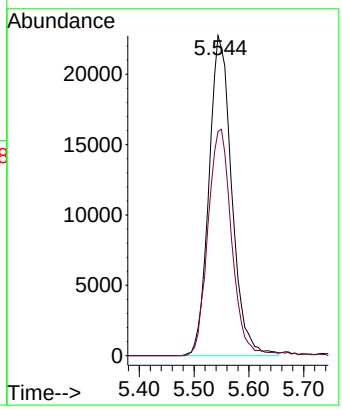


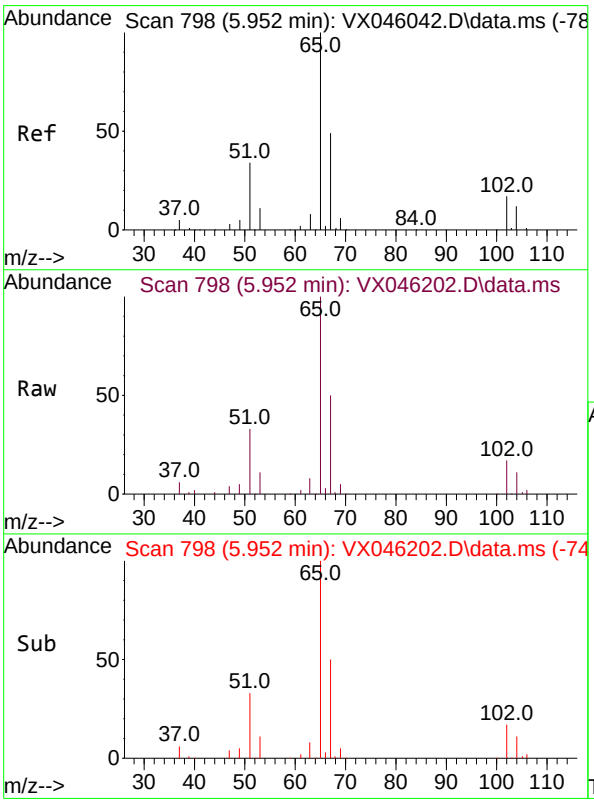
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046202.D
Acq: 15 May 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Tgt Ion:168 Resp: 65765

Ion	Ratio	Lower	Upper
168	100		
99	70.1	54.9	82.3

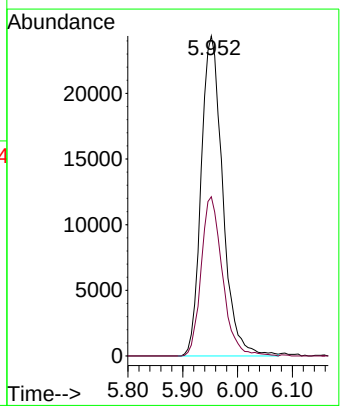


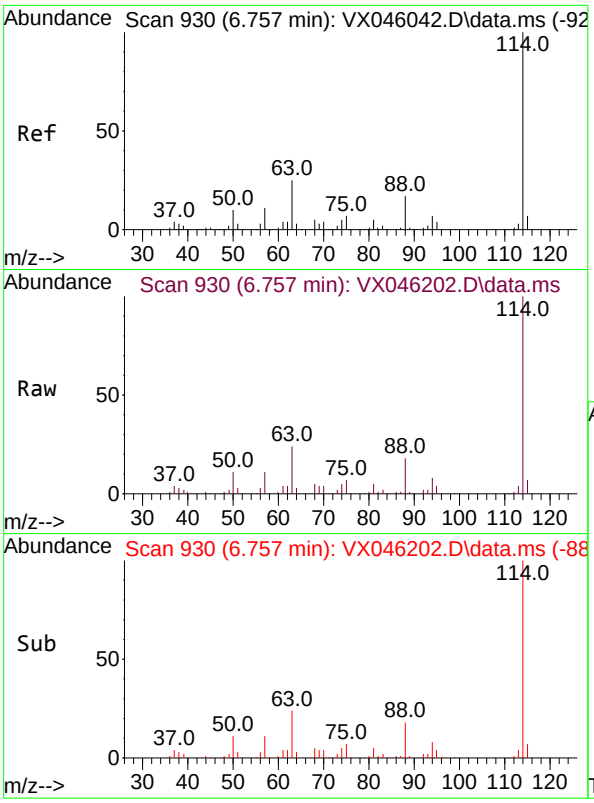


#33
1,2-Dichloroethane-d4
Concen: 54.195 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046202.D
Acq: 15 May 2025 10:38

Tgt Ion: 65 Resp: 66447

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	99.0



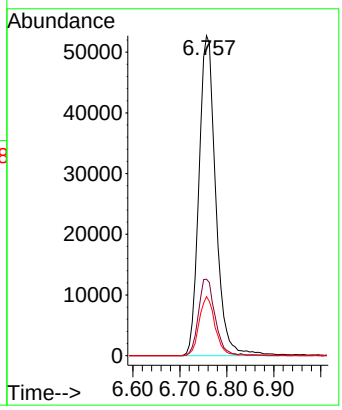


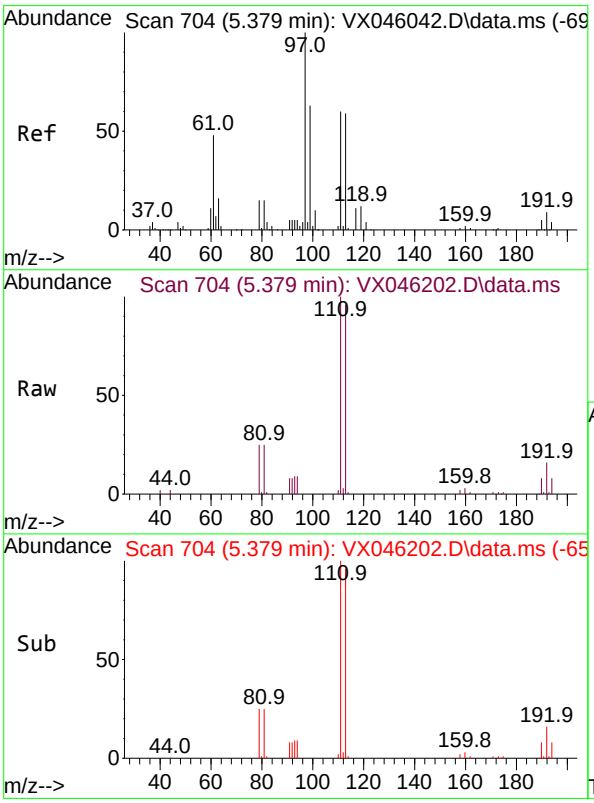
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046202.D
Acq: 15 May 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Tgt Ion:114 Resp: 130899

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	18.5	0.0	33.6

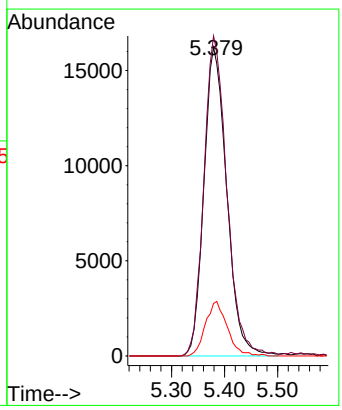


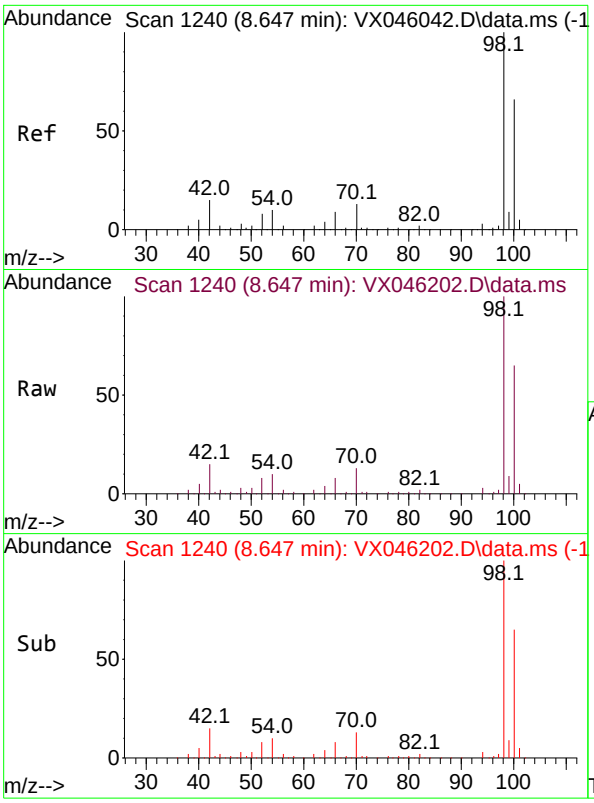


#35
Dibromofluoromethane
Concen: 51.494 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046202.D
Acq: 15 May 2025 10:38

Tgt Ion:113 Resp: 48539

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	16.9	13.3	19.9



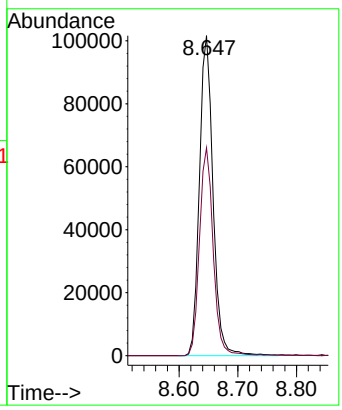


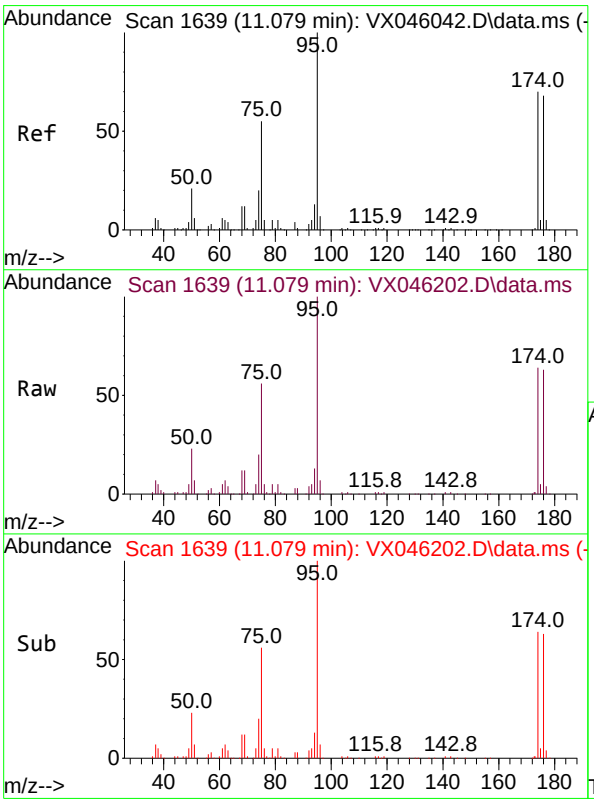
#50
Toluene-d8
Concen: 50.159 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046202.D
Acq: 15 May 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Tgt Ion: 98 Resp: 163643

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.5	80.3

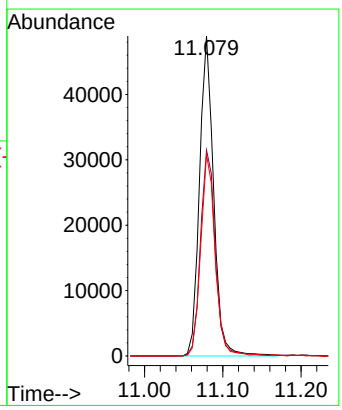


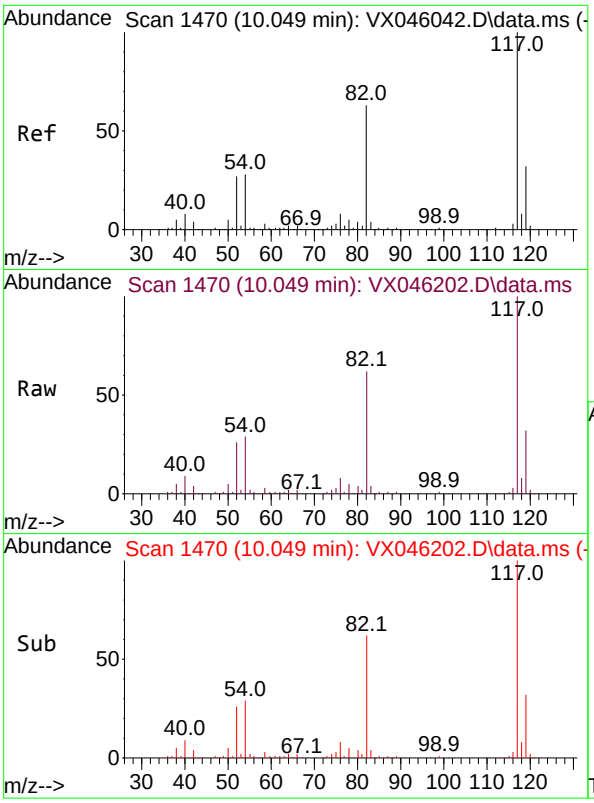


#62
4-Bromofluorobenzene
Concen: 48.946 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046202.D
Acq: 15 May 2025 10:38

Tgt Ion: 95 Resp: 61253

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	64.1	0.0	131.4



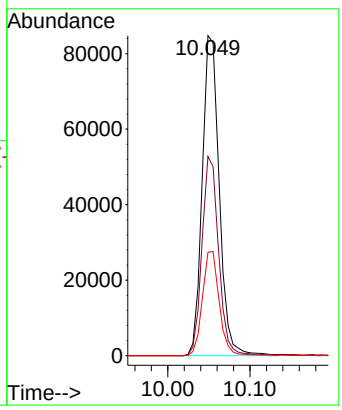


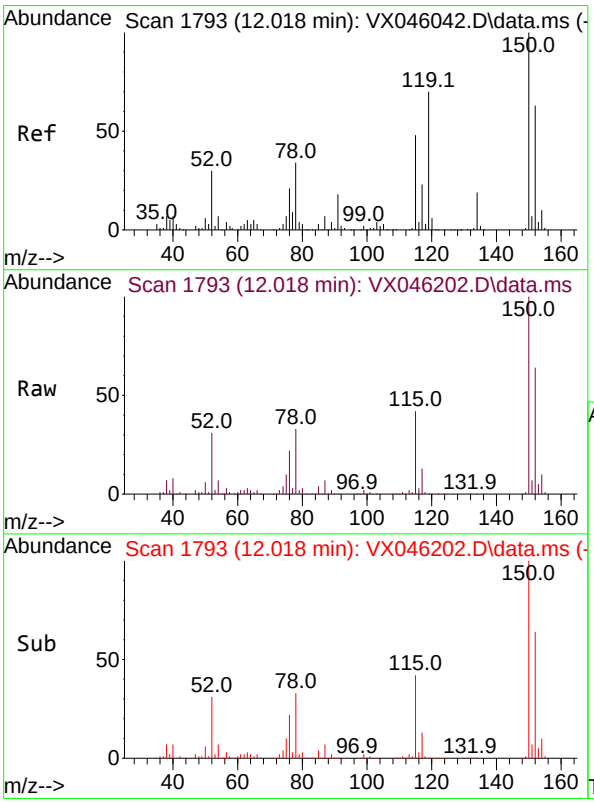
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046202.D
Acq: 15 May 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Tgt Ion:117 Resp: 122283

Ion	Ratio	Lower	Upper
117	100		
82	62.2	50.6	76.0
119	32.3	25.8	38.6

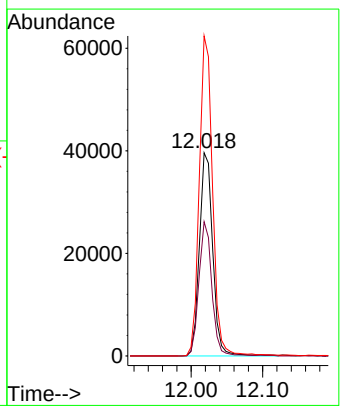




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046202.D
Acq: 15 May 2025 10:38

Tgt Ion:152 Resp: 51360

Ion	Ratio	Lower	Upper
152	100		
115	64.0	46.9	140.7
150	156.8	0.0	351.0



Sample Results: **VX046202.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

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: VX046202.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.258	22	28	32	rBV3	3887	7826	1.71%	0.322%
2	1.605	72	85	88	rBV6	4606	14421	3.16%	0.593%
3	5.379	694	704	721	rBV	56197	167022	36.56%	6.864%
4	5.544	722	731	746	rVB2	77181	220814	48.34%	9.074%
5	5.952	789	798	812	rBV	63570	172497	37.76%	7.089%
6	6.757	921	930	948	rBV	137969	334499	73.22%	13.746%
7	8.647	1234	1240	1253	rBV	282551	456813	100.00%	18.772%
8	10.049	1465	1470	1484	rBV	289741	413059	90.42%	16.974%
9	11.079	1634	1639	1652	rBV	238040	301740	66.05%	12.400%
10	12.018	1788	1793	1803	rBV	275656	344769	75.47%	14.168%

Sum of corrected areas: 2433460

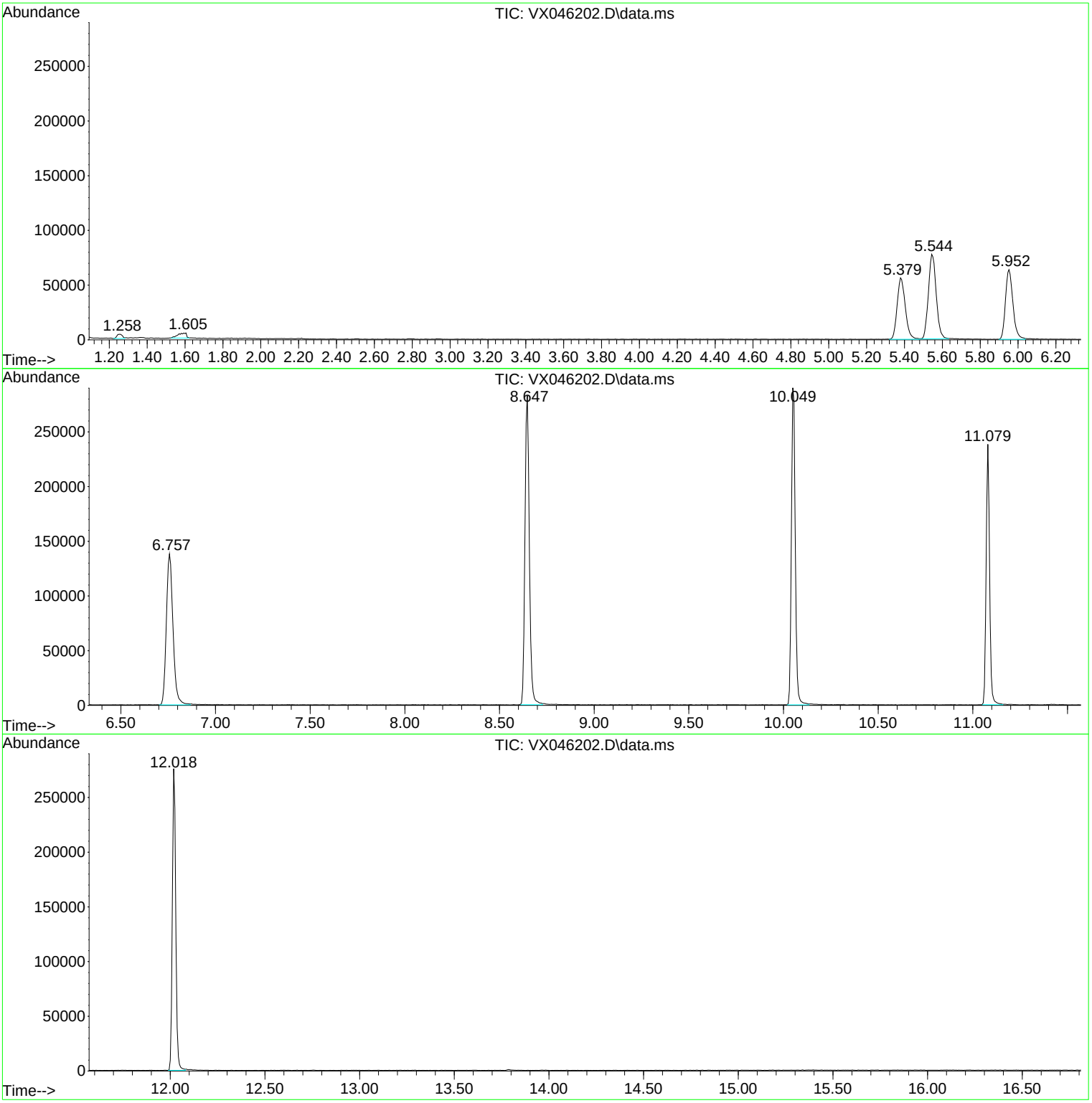
Sample Results: **VX046202.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

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



Library Search Compound Report

Sample Results: **VX046202.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

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\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

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

Raw Data: **VX046206.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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0515WBS01	SDG No.:	Q2050
Lab Sample ID:	VX0515WBS01	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
VX046206.D	1		05/15/25 12:11	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	19.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		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	16.7		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.0		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	20.2		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	19.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.2		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	21.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		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	20.0		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L

Raw Data: **VX046206.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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0515WBS01	SDG No.:	Q2050
Lab Sample ID:	VX0515WBS01	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
VX046206.D	1		05/15/25 12:11	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.7		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.4		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.3		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.3		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	89000	5.544				
540-36-3	1,4-Difluorobenzene	158000	6.757				
3114-55-4	Chlorobenzene-d5	139000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	65800	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

Sample Results: **VX046206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 16 01:03:14 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 :
VX0515WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	89041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84109	50.668	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.340%			
35) Dibromofluoromethane	5.379	113	56861	50.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.060%			
50) Toluene-d8	8.647	98	195401	49.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.360%			
62) 4-Bromofluorobenzene	11.079	95	73760	48.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27470	20.157	ug/l	99
3) Chloromethane	1.307	50	25723	19.463	ug/l	96
4) Vinyl Chloride	1.374	62	23543	19.141	ug/l	97
5) Bromomethane	1.599	94	10767	18.873	ug/l	96
6) Chloroethane	1.672	64	14786	22.518	ug/l	100
7) Trichlorofluoromethane	1.880	101	37119	20.419	ug/l	97
8) Diethyl Ether	2.136	74	11989	19.374	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	22373	19.888	ug/l	98
10) Methyl Iodide	2.447	142	22577	16.961	ug/l	98
11) Tert butyl alcohol	2.971	59	23531	100.985	ug/l	99
12) 1,1-Dichloroethene	2.312	96	20102	19.040	ug/l	98
13) Acrolein	2.233	56	27834	104.889	ug/l	100
14) Allyl chloride	2.660	41	40941	20.290	ug/l	97
15) Acrylonitrile	3.062	53	69714	104.630	ug/l	98
16) Acetone	2.380	43	68020	102.196	ug/l	96
17) Carbon Disulfide	2.508	76	41692	16.656	ug/l	98
18) Methyl Acetate	2.703	43	35065	22.703	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	73662	19.900	ug/l	100
20) Methylene Chloride	2.788	84	24253	19.015	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	20717	19.512	ug/l	97
22) Diisopropyl ether	3.763	45	79562	20.412	ug/l	99
23) Vinyl Acetate	3.721	43	343271	100.132	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43853	20.200	ug/l	98
25) 2-Butanone	4.556	43	102563	106.141	ug/l	100
26) 2,2-Dichloropropane	4.471	77	31325	18.435	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	25770	20.161	ug/l	98
28) Bromochloromethane	4.897	49	23586	22.571	ug/l	100
29) Tetrahydrofuran	5.007	42	64418	106.388	ug/l	98
30) Chloroform	5.086	83	47424	20.958	ug/l	95
31) Cyclohexane	5.464	56	37793	19.104	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	39621	20.199	ug/l	99
36) 1,1-Dichloropropene	5.684	75	29760	19.489	ug/l	99
37) Ethyl Acetate	4.715	43	34932	18.516	ug/l	99
38) Carbon Tetrachloride	5.678	117	33518	19.536	ug/l	99
39) Methylcyclohexane	7.373	83	36070	18.348	ug/l	99
40) Benzene	6.031	78	89803	20.078	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 16 01:03:14 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 :
VX0515WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	21586	21.872	ug/l		98
42) 1,2-Dichloroethane	6.086	62	39713	20.573	ug/l		99
43) Isopropyl Acetate	6.336	43	57206	19.876	ug/l		99
44) Trichloroethene	7.123	130	20736	19.262	ug/l		92
45) 1,2-Dichloropropane	7.427	63	23243	20.899	ug/l		97
46) Dibromomethane	7.580	93	17546	20.003	ug/l		99
47) Bromodichloromethane	7.818	83	35604	20.608	ug/l		98
48) Methyl methacrylate	7.696	41	30612	20.826	ug/l		98
49) 1,4-Dioxane	7.659	88	12334	441.933	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	203636	106.590	ug/l		98
52) Toluene	8.714	92	54833	19.993	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	28369	18.474	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	33050	19.473	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	22364	20.680	ug/l		99
56) Ethyl methacrylate	9.116	69	34197	19.841	ug/l		96
57) 1,3-Dichloropropane	9.305	76	40187	20.692	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	77611	88.326	ug/l		99
59) 2-Hexanone	9.427	43	152217	107.694	ug/l		99
60) Dibromochloromethane	9.519	129	24617	20.728	ug/l		100
61) 1,2-Dibromoethane	9.604	107	22982	20.447	ug/l		98
64) Tetrachloroethene	9.269	164	19195	19.467	ug/l		94
65) Chlorobenzene	10.079	112	59541	19.520	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20659	19.834	ug/l		99
67) Ethyl Benzene	10.189	91	106589	19.824	ug/l		98
68) m/p-Xylenes	10.299	106	77543	39.431	ug/l		96
69) o-Xylene	10.640	106	38896	20.288	ug/l		99
70) Styrene	10.652	104	64413	20.510	ug/l		99
71) Bromoform	10.799	173	14962	19.133	ug/l	#	97
73) Isopropylbenzene	10.957	105	102905	20.095	ug/l		100
74) N-amyl acetate	10.841	43	49890	19.716	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	35452	19.755	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	31296m	19.767	ug/l		
77) Bromobenzene	11.195	156	23828	20.042	ug/l		99
78) n-propylbenzene	11.299	91	116803	19.617	ug/l		100
79) 2-Chlorotoluene	11.360	91	75590	19.682	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	87288	20.403	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8314	17.096	ug/l		90
82) 4-Chlorotoluene	11.451	91	85228	20.011	ug/l		99
83) tert-Butylbenzene	11.713	119	84725	19.661	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87556	20.209	ug/l		98
85) sec-Butylbenzene	11.890	105	104859	19.818	ug/l		99
86) p-Isopropyltoluene	12.006	119	85808	19.647	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	42774	19.714	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	42819	19.324	ug/l		98
89) n-Butylbenzene	12.329	91	70768	18.472	ug/l		98
90) Hexachloroethane	12.536	117	15473	20.109	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	44184	20.293	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7925	19.934	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	22339	17.863	ug/l		98
94) Hexachlorobutadiene	13.725	225	10065	18.428	ug/l		97
95) Naphthalene	13.774	128	81743	17.822	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	23429	18.157	ug/l		97

Sample Results: **VX046206.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 16 01:03:14 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 :
VX0515WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

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\VX051525\
Data File : VX046206.D
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Instrument :
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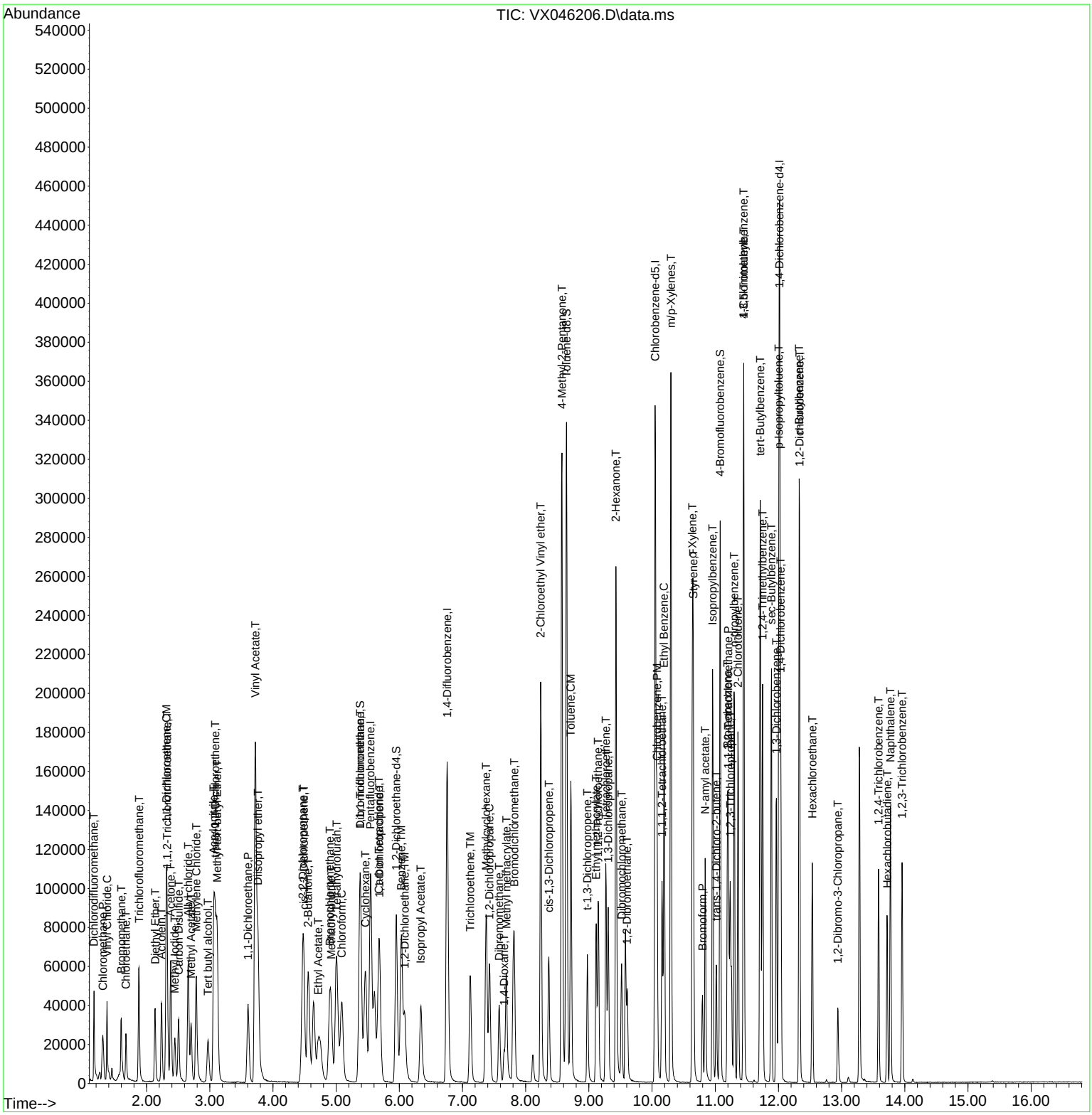
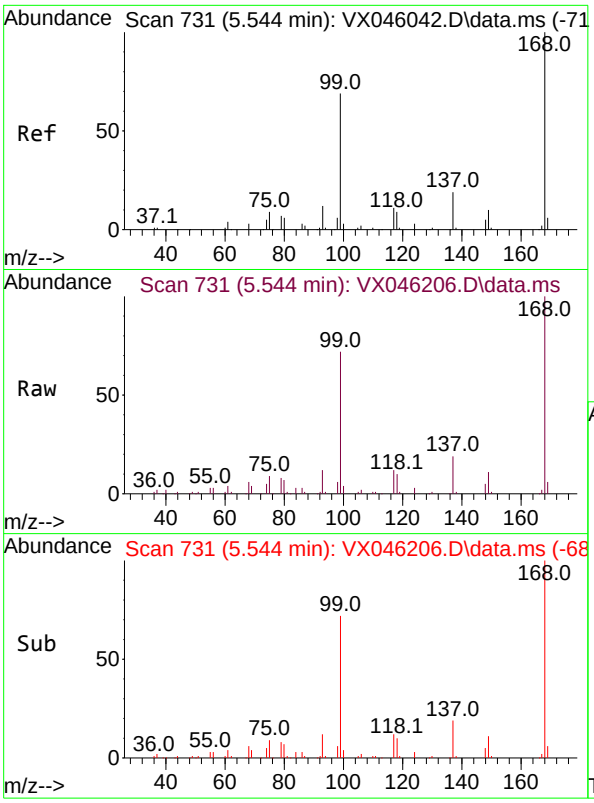
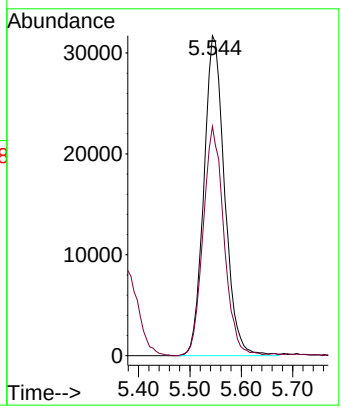




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:168 Resp: 8904

Ion	Ratio	Lower	Upper
168	100		
99	71.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
APPROVED

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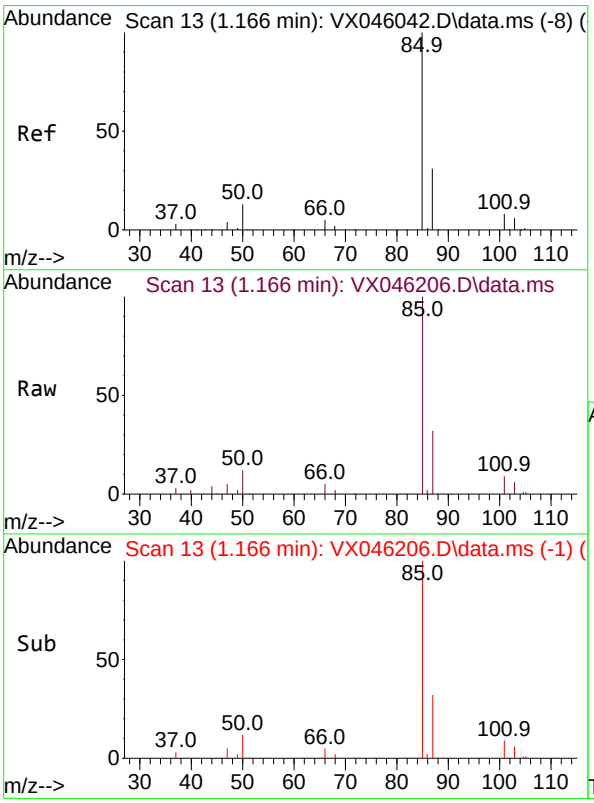
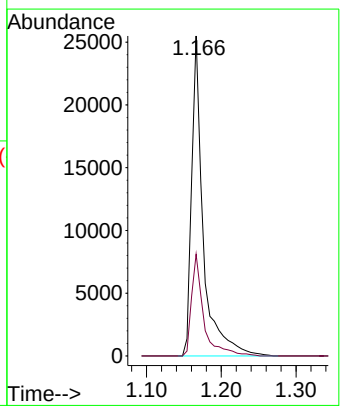
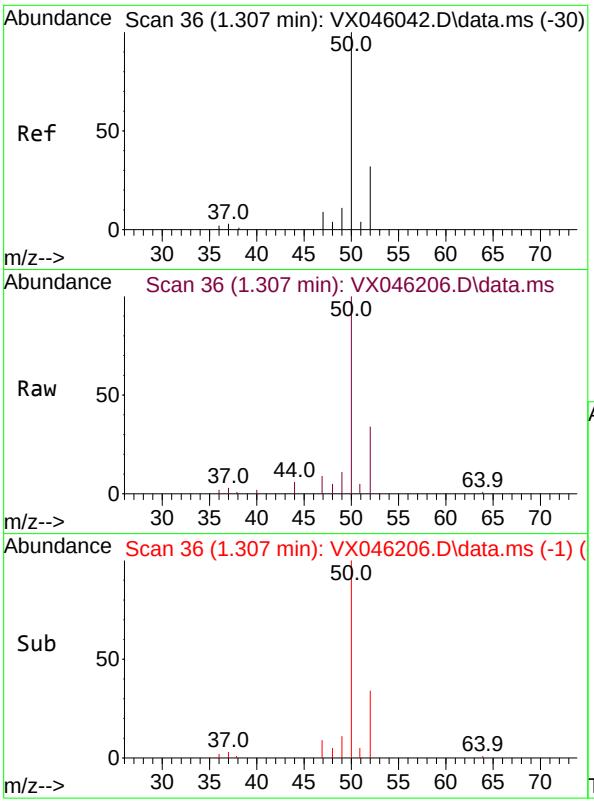


#2
Dichlorodifluoromethane
Concen: 20.157 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 85 Resp: 27470

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.7	47.1

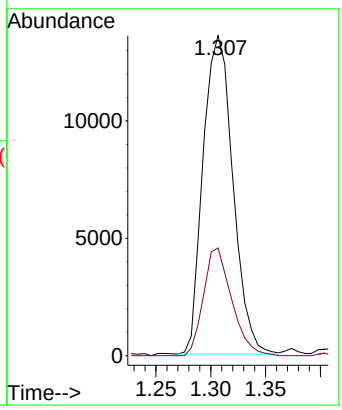




#3
Chloromethane
Concen: 19.463 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 50 Resp: 2572

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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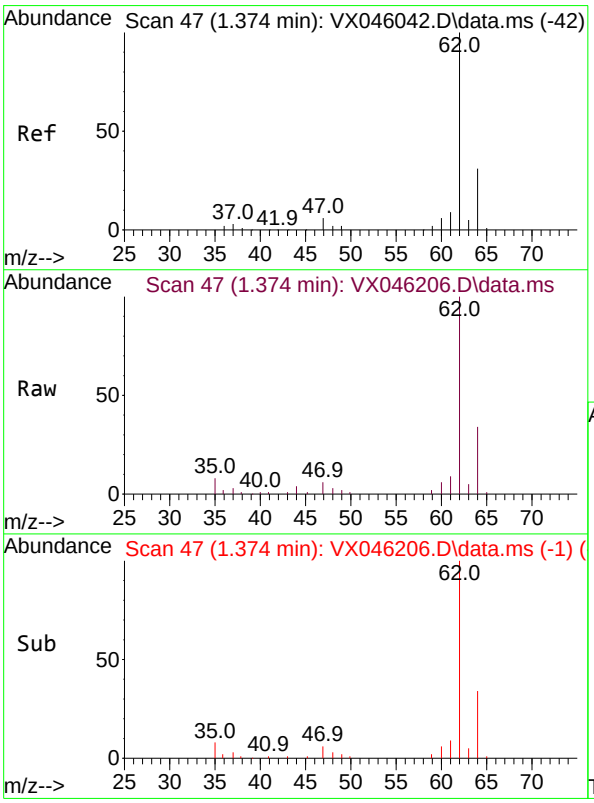
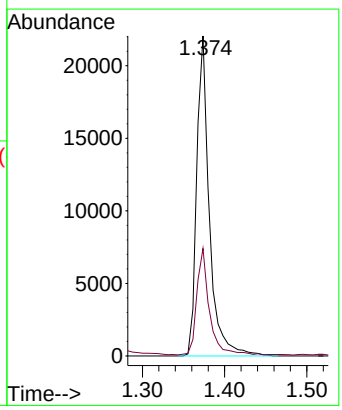
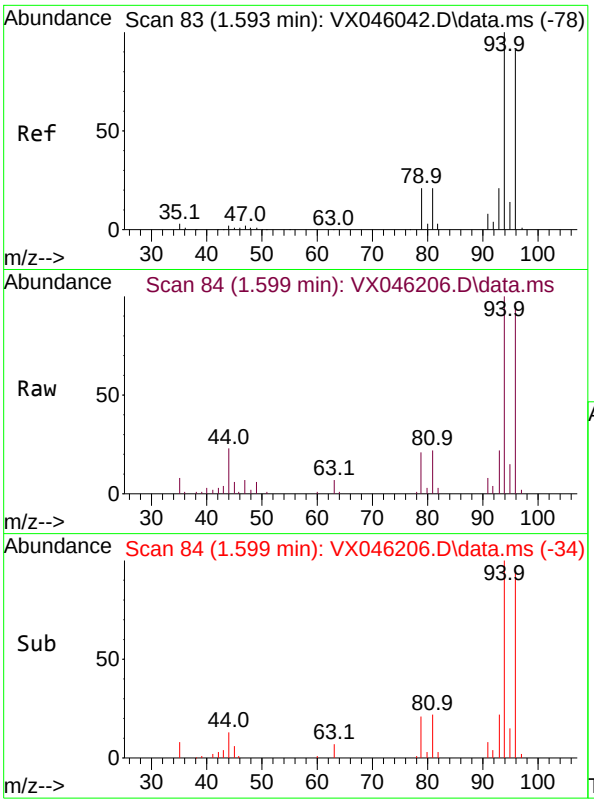


#4
Vinyl Chloride
Concen: 19.141 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 62 Resp: 23543

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.2	37.8





#5
Bromomethane
Concen: 18.873 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 94 Resp: 1076

Ion	Ratio	Lower	Upper
94	100		
96	94.8	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
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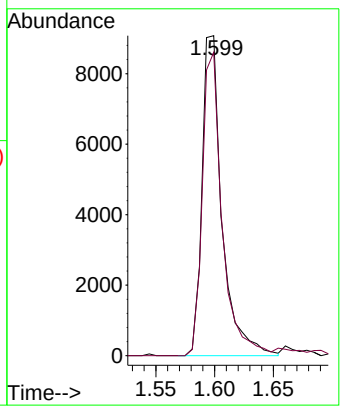
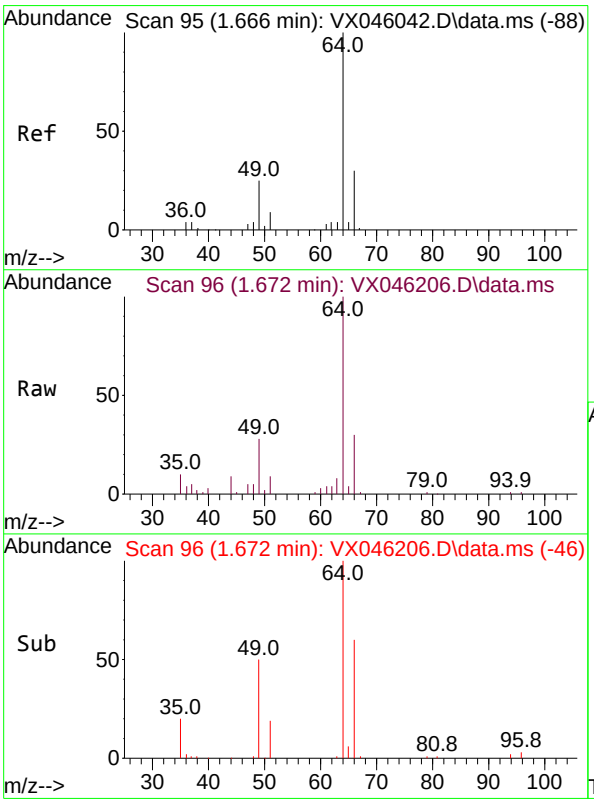
Supervised By :Mahesh Dadoda 05/16/2025

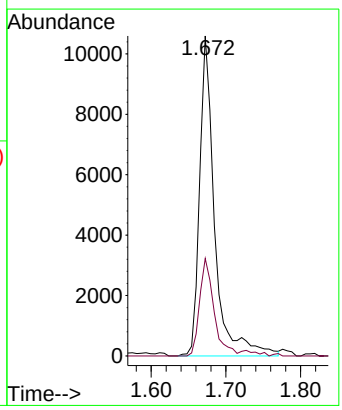


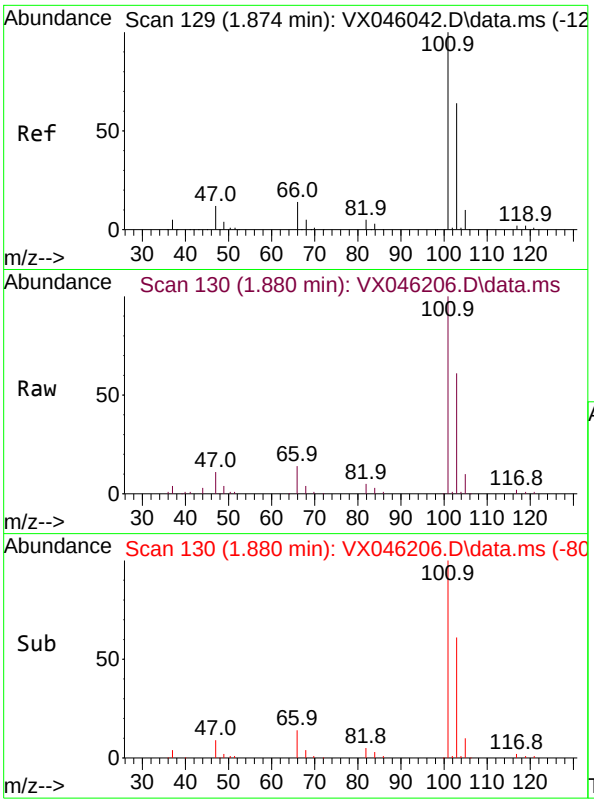


#6
Chloroethane
Concen: 22.518 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 64 Resp: 14786

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.3	36.5

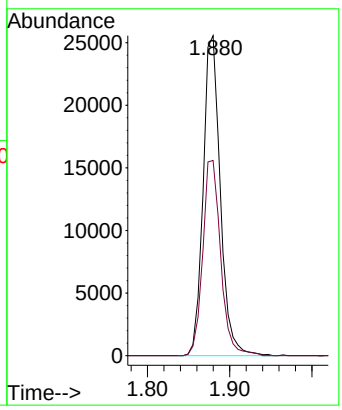




#7
Trichlorofluoromethane
Concen: 20.419 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:101 Resp: 3711

Ion	Ratio	Lower	Upper
101	100		
103	61.0	51.0	76.4



Instrument :
MSVOA_X
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Manual Integrations
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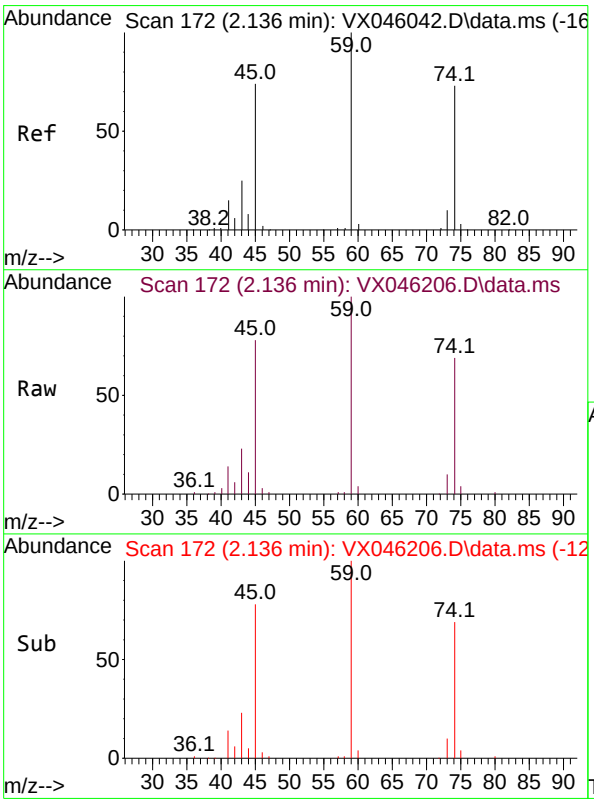
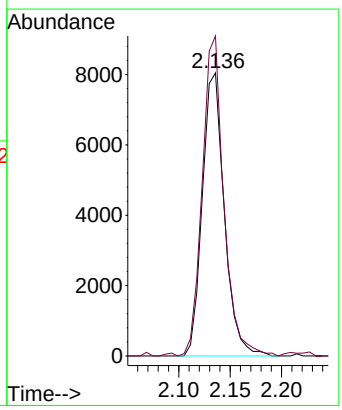
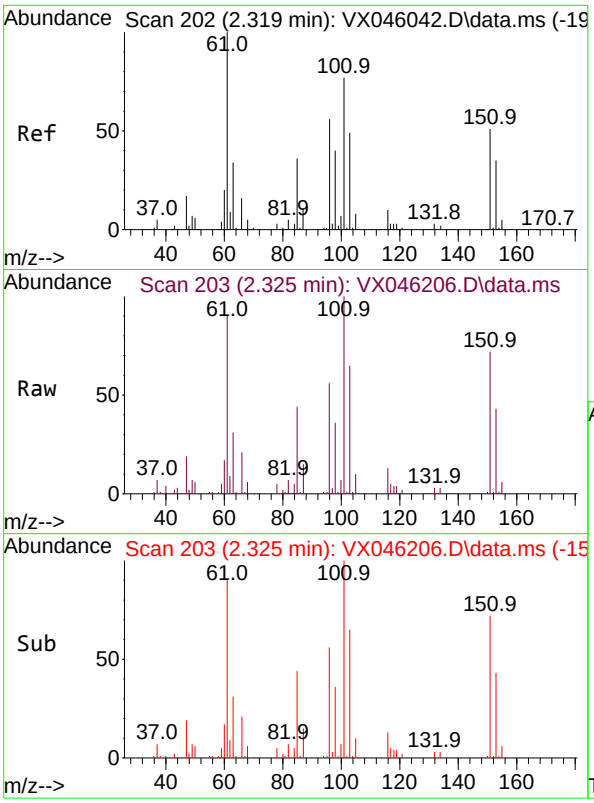


#8
Diethyl Ether
Concen: 19.374 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 74 Resp: 11989

Ion	Ratio	Lower	Upper
74	100		
45	111.2	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.888 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:101 Resp: 2237

Ion	Ratio	Lower	Upper
101	100		
85	47.4	38.6	58.0
151	71.1	55.2	82.8

Instrument :
MSVOA_X
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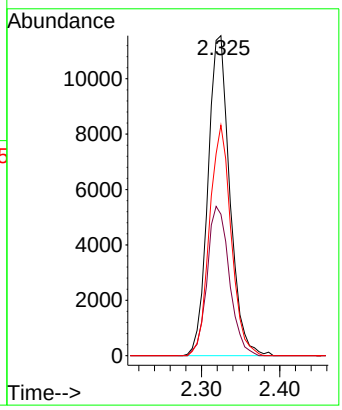
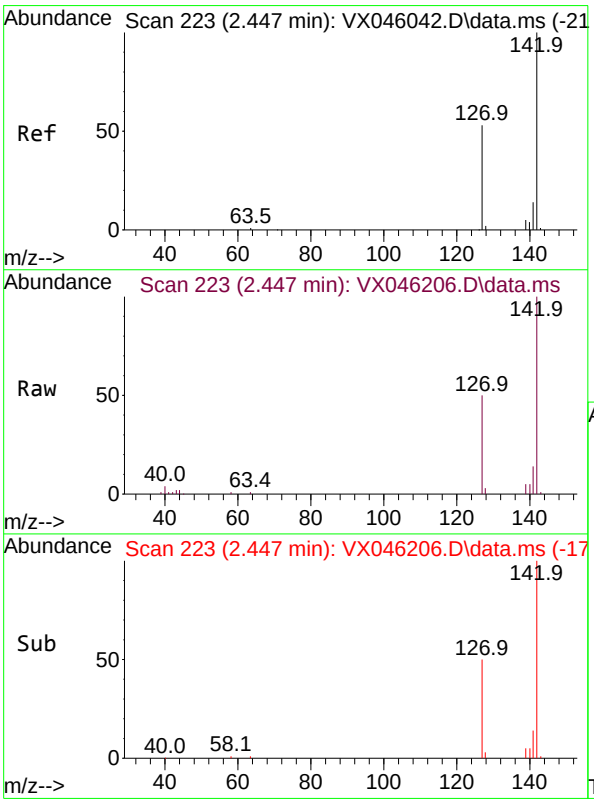
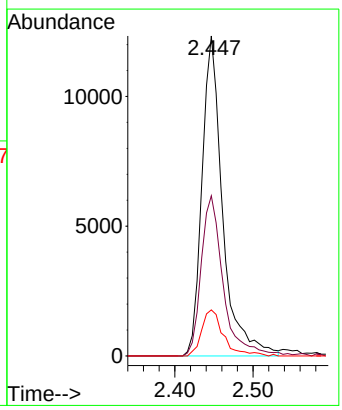


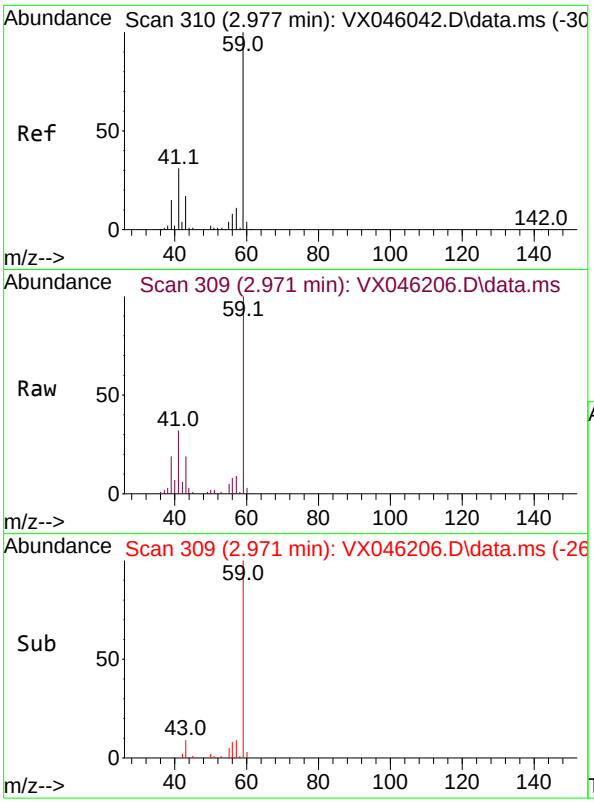


#10
Methyl Iodide
Concen: 16.961 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:142 Resp: 22577

Ion	Ratio	Lower	Upper
142	100		
127	53.5	41.7	62.5
141	15.2	11.5	17.3





#11
Tert butyl alcohol
Concen: 100.985 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 59 Resp: 2353

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

Instrument :
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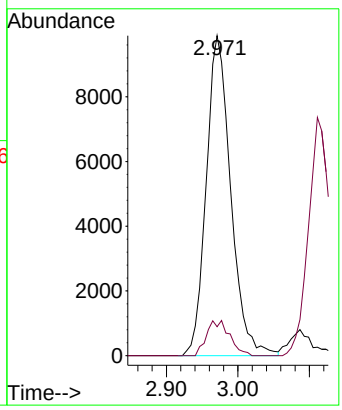
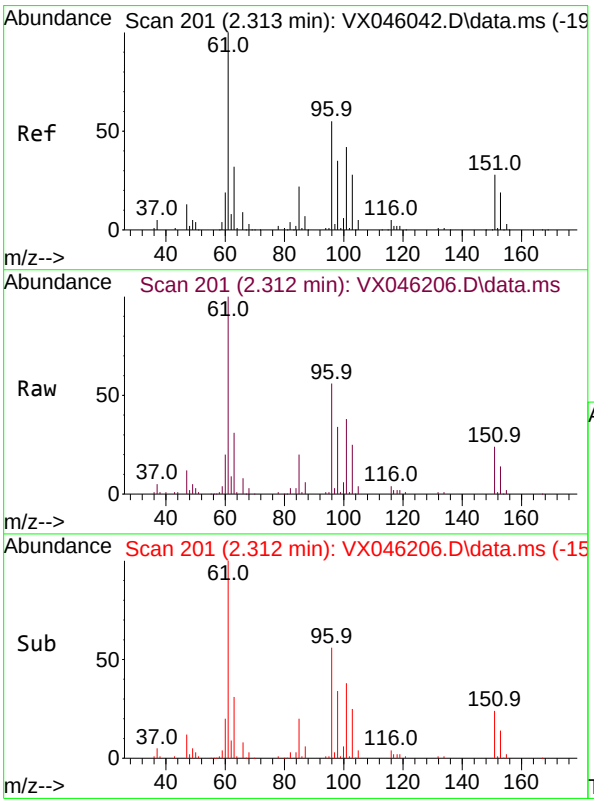
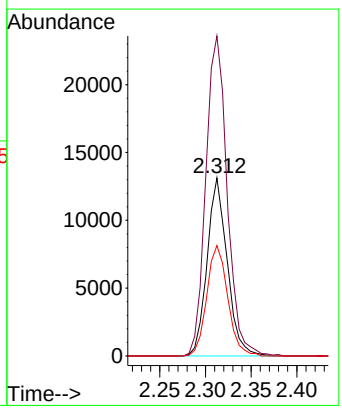


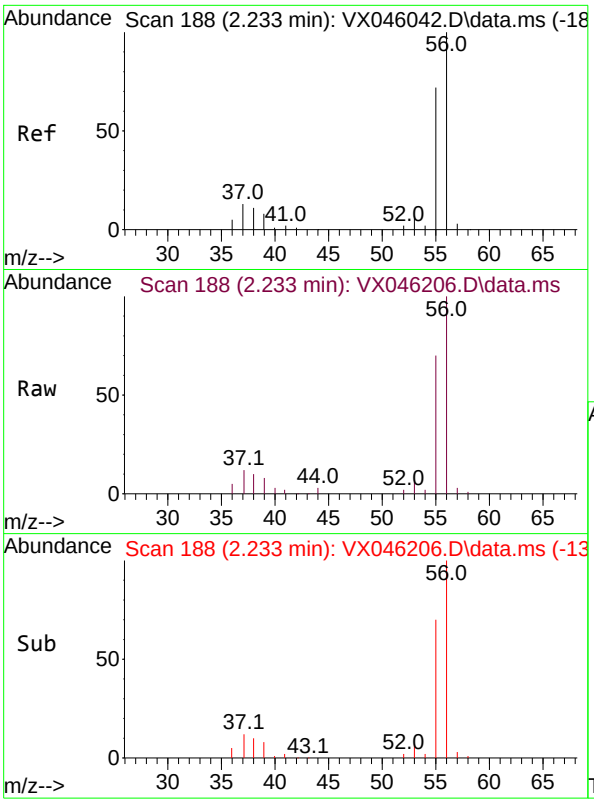


#12
1,1-Dichloroethene
Concen: 19.040 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 96 Resp: 20102

Ion	Ratio	Lower	Upper
96	100		
61	179.7	146.2	219.2
98	62.0	51.0	76.6

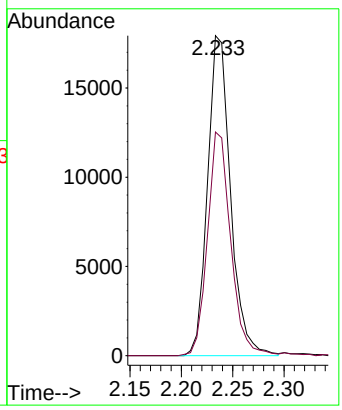




#13
Acrolein
Concen: 104.889 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 56 Resp: 2783

Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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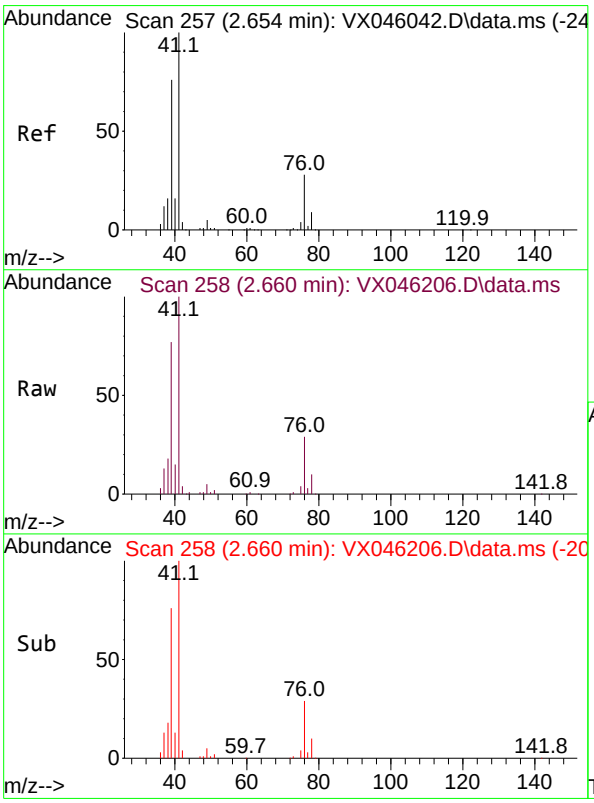
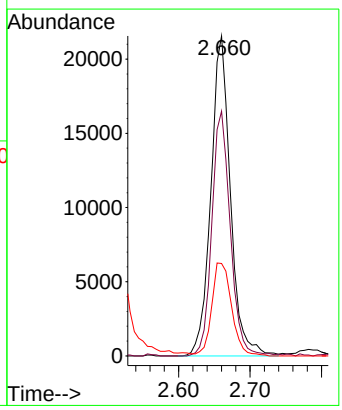
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

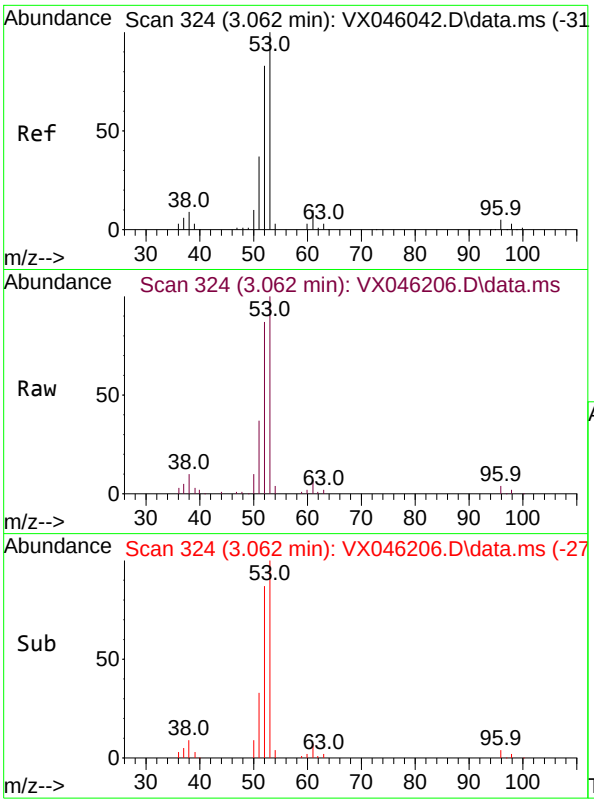


#14
Allyl chloride
Concen: 20.290 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 41 Resp: 40941

Ion	Ratio	Lower	Upper
41	100		
39	72.5	60.6	90.8
76	29.5	24.9	37.3

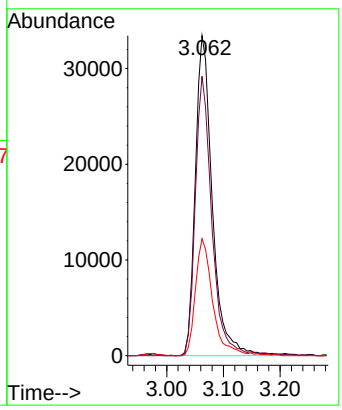




#15
Acrylonitrile
Concen: 104.630 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 53 Resp: 6971

Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.3	97.9
51	37.4	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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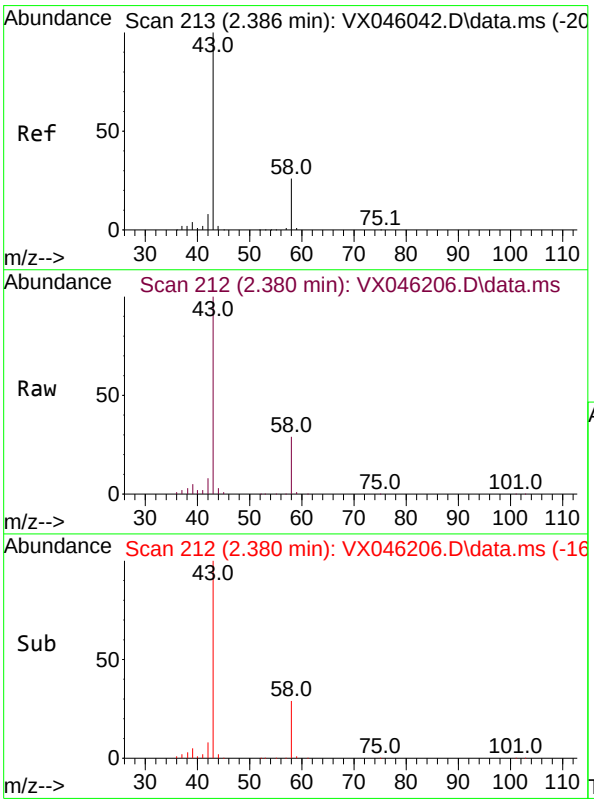
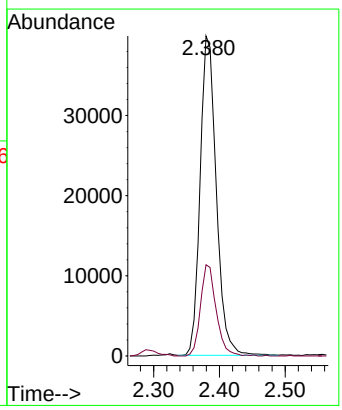
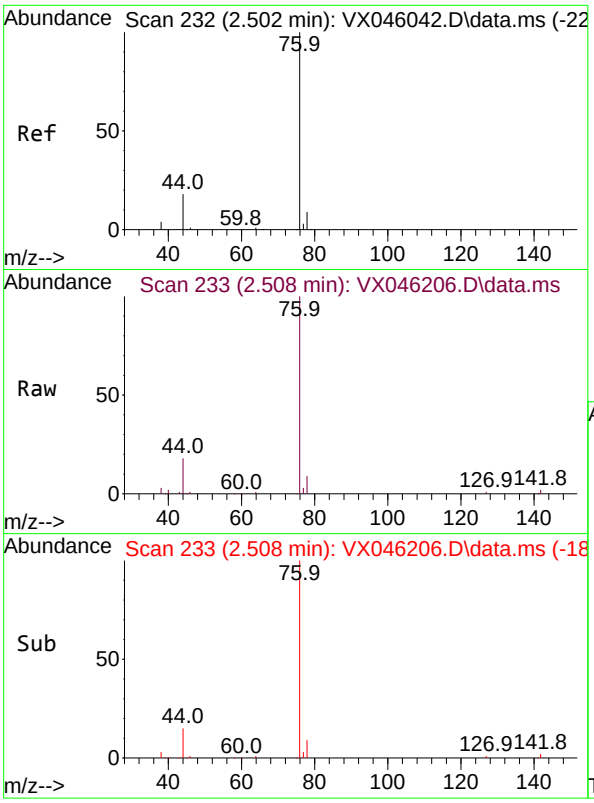


#16
Acetone
Concen: 102.196 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 68020

Ion	Ratio	Lower	Upper
43	100		
58	28.6	21.2	31.8

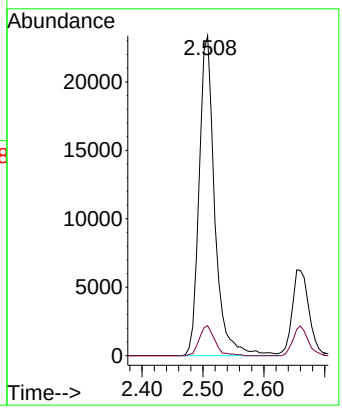




#17
Carbon Disulfide
Concen: 16.656 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 76 Resp: 4169

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4



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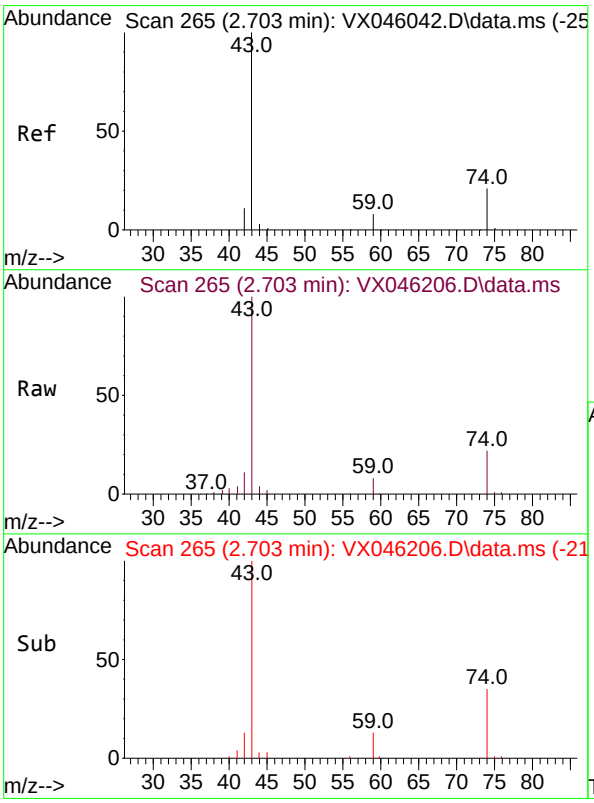
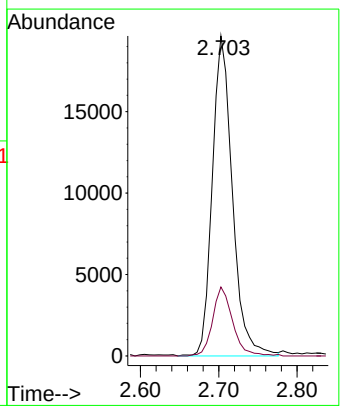
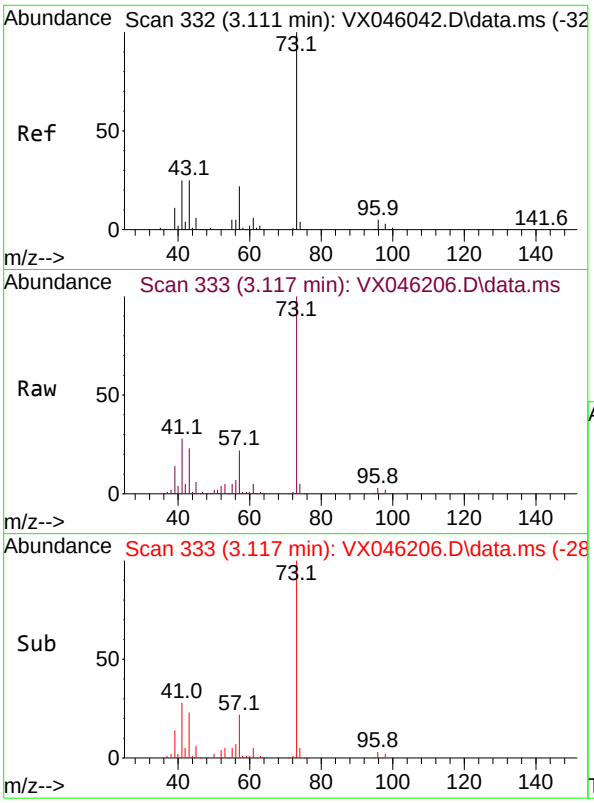


#18
Methyl Acetate
Concen: 22.703 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 35065

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1

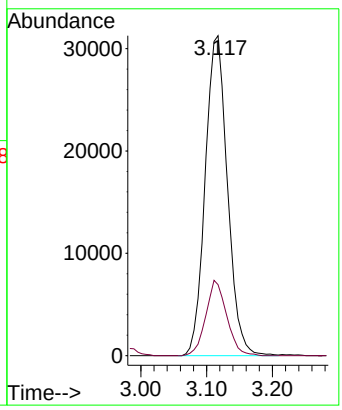




#19
Methyl tert-butyl Ether
Concen: 19.900 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 73 Resp: 7366

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
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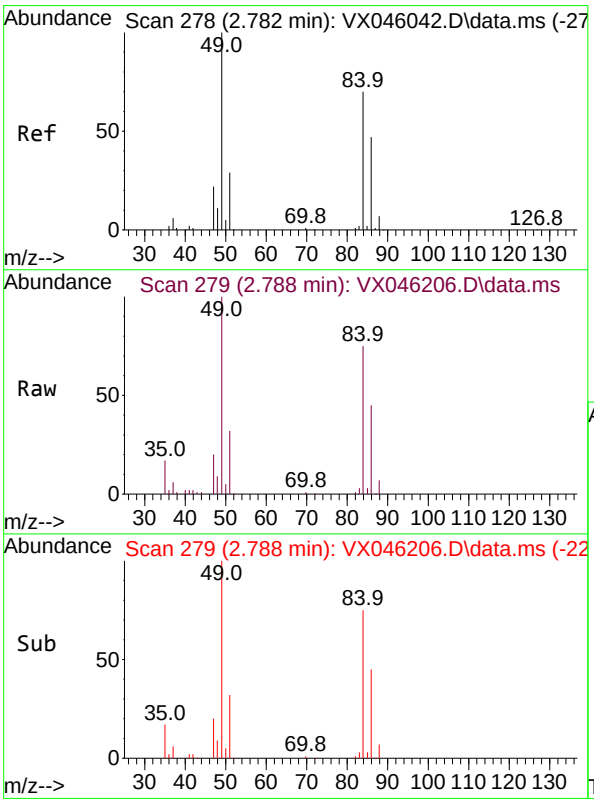
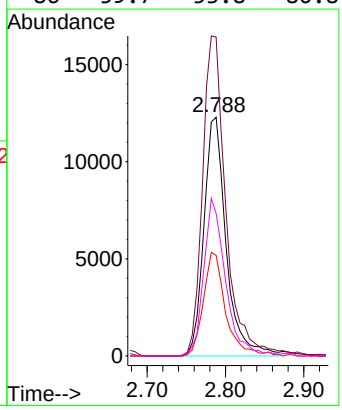
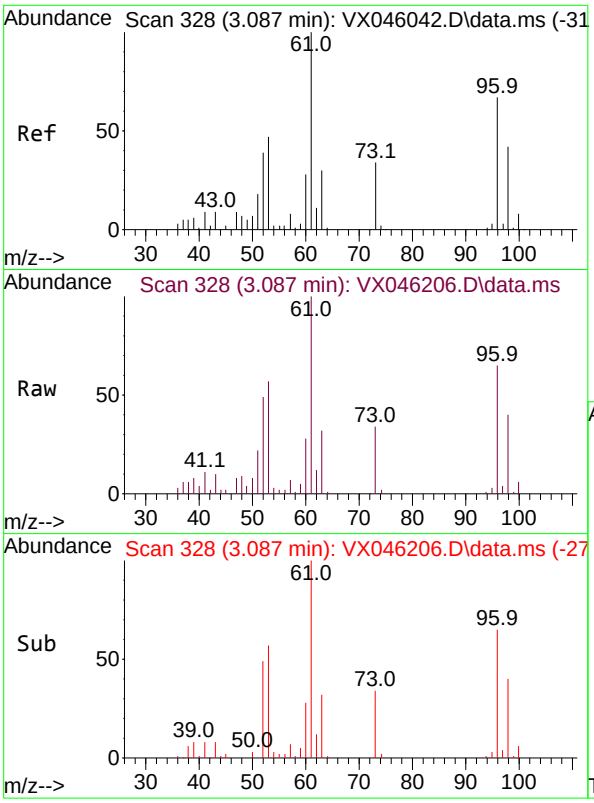


#20
Methylene Chloride
Concen: 19.015 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 84 Resp: 24253

Ion	Ratio	Lower	Upper
84	100		
49	133.6	113.9	170.9
51	42.2	33.5	50.3
86	59.7	53.8	80.8

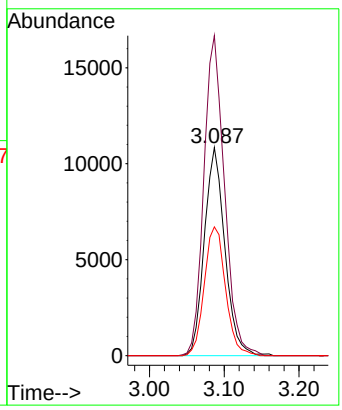




#21
trans-1,2-Dichloroethene
Concen: 19.512 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 96 Resp: 2071

Ion	Ratio	Lower	Upper
96	100		
61	153.8	119.5	179.3
98	61.9	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
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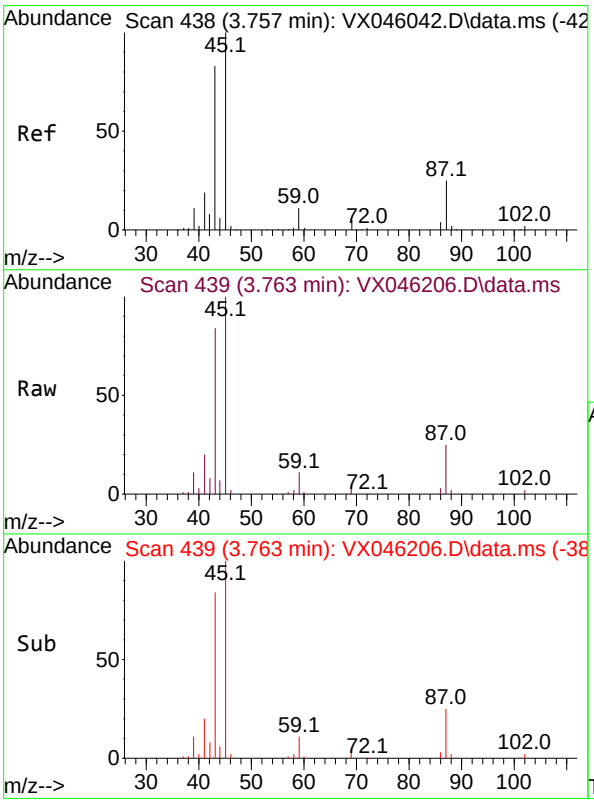
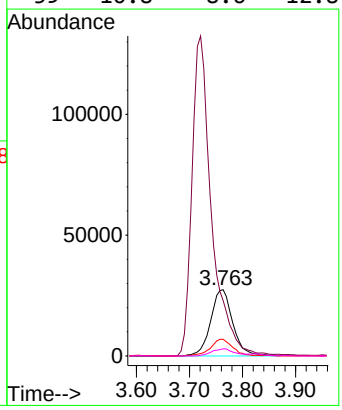
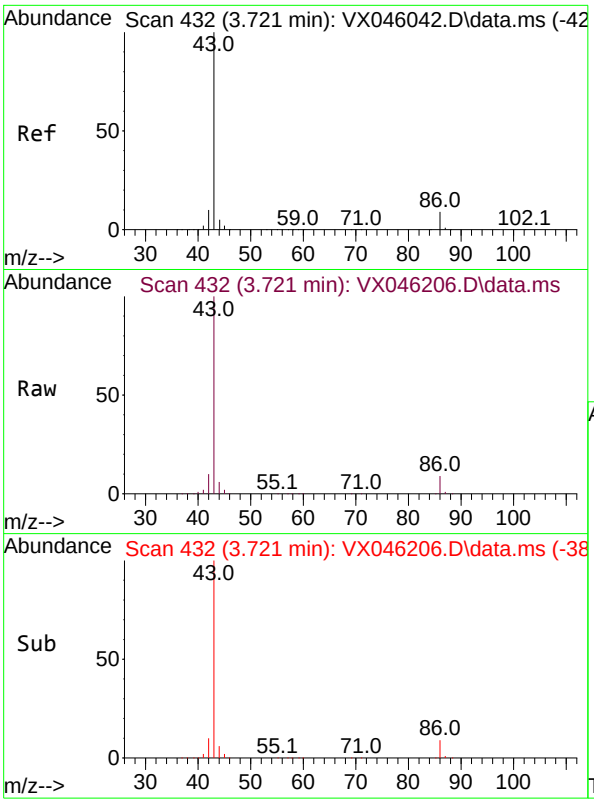


#22
Diisopropyl ether
Concen: 20.412 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 45 Resp: 79562

Ion	Ratio	Lower	Upper
45	100		
43	82.6	66.6	100.0
87	25.1	19.8	29.6
59	10.8	8.6	12.8

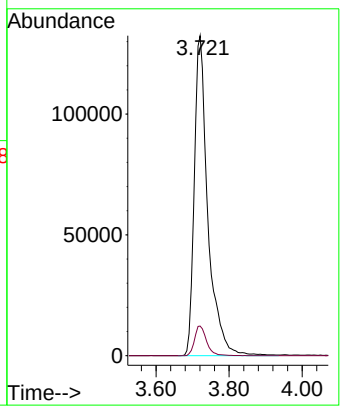




#23
Vinyl Acetate
Concen: 100.132 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 34327

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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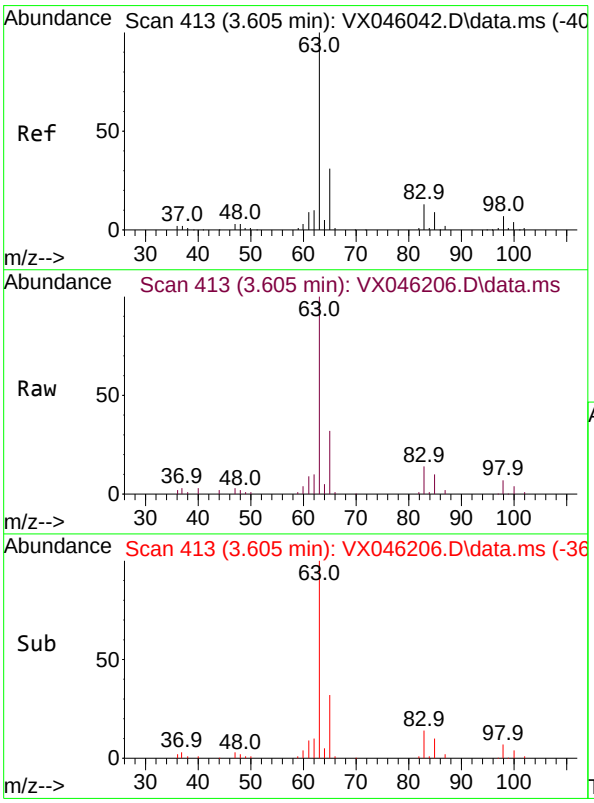
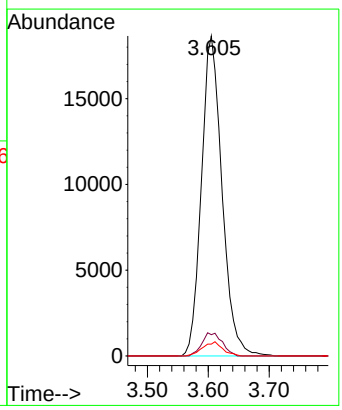
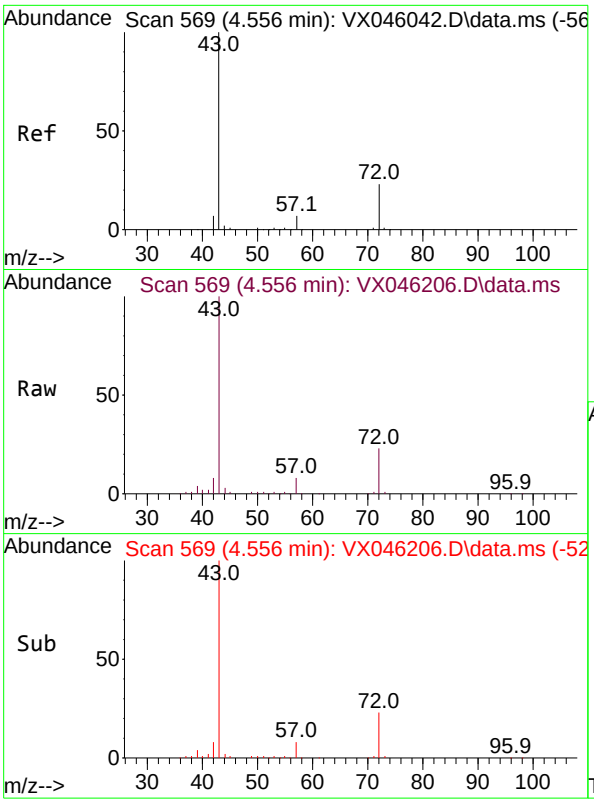


#24
1,1-Dichloroethane
Concen: 20.200 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 63 Resp: 43853

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.8
100	3.7	2.1	6.3





#25
2-Butanone
Concen: 106.141 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 10256

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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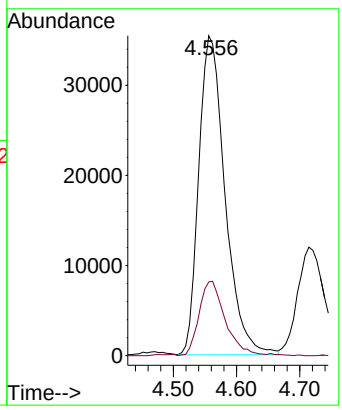
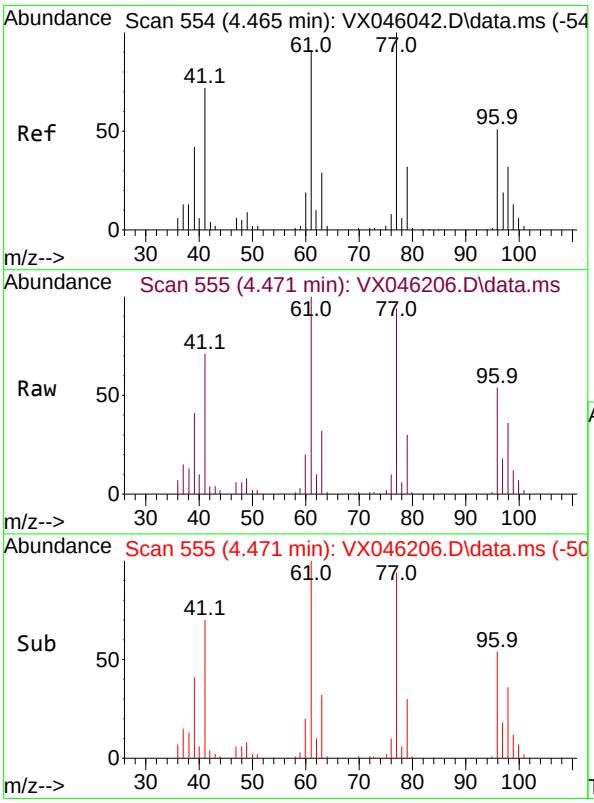
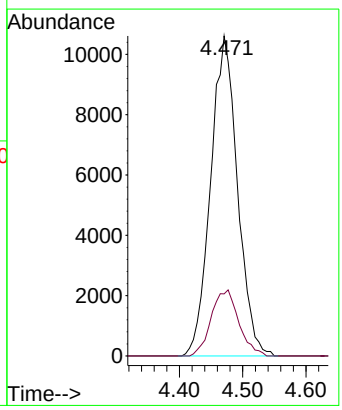


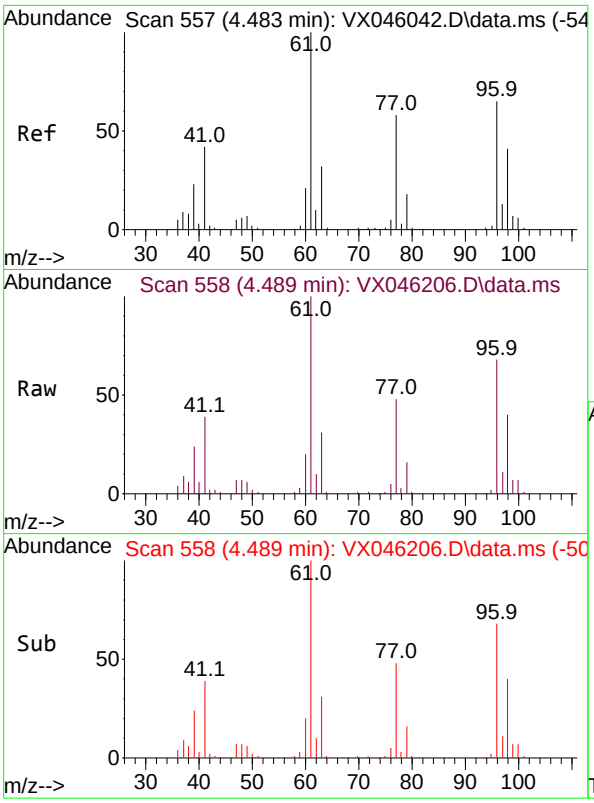


#26
2,2-Dichloropropane
Concen: 18.435 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 77 Resp: 31325

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 20.161 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 96 Resp: 2577

Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	322.8
98	63.7	0.0	129.0

Instrument :
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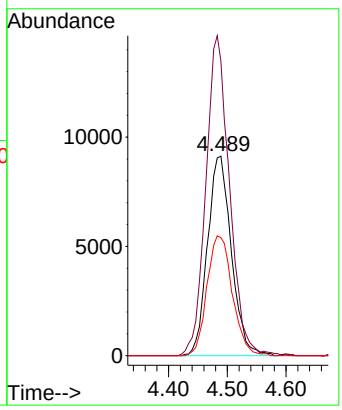
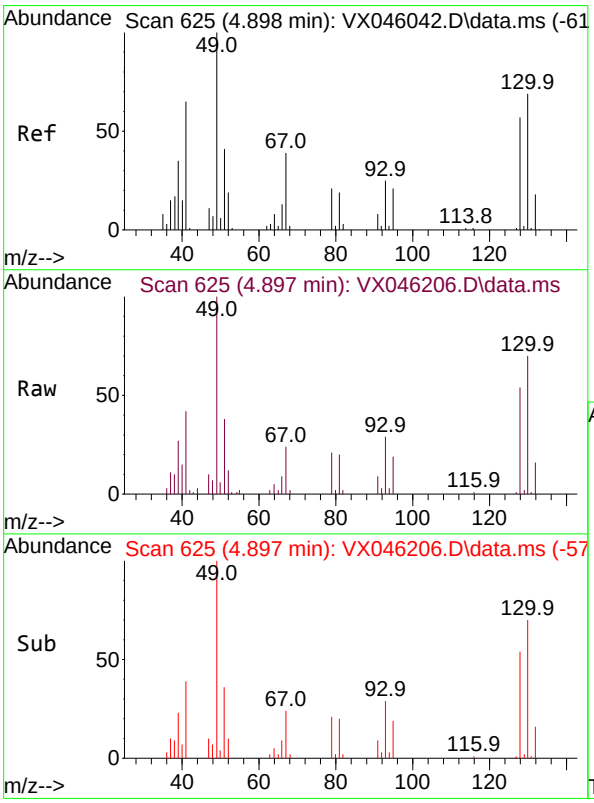
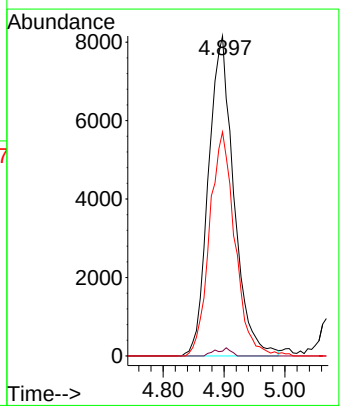


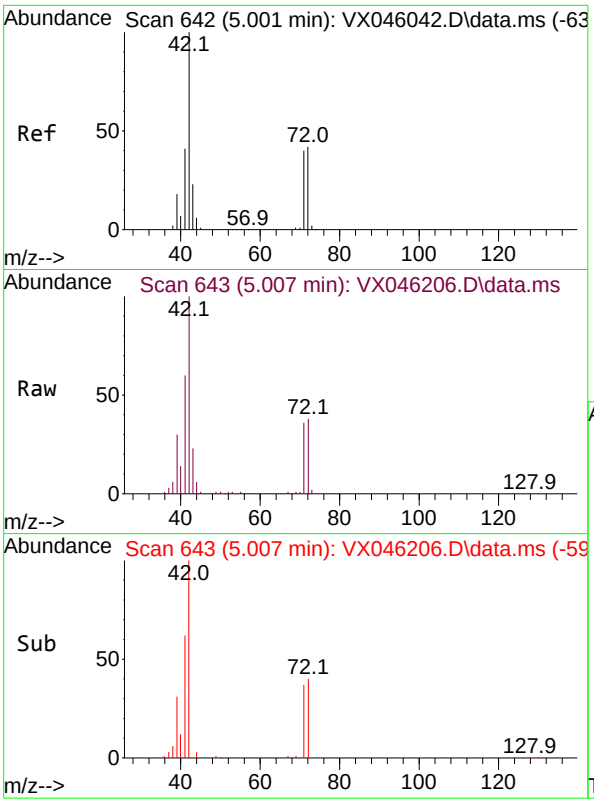


#28
Bromochloromethane
Concen: 22.571 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 49 Resp: 23586

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	70.1	56.2	84.2

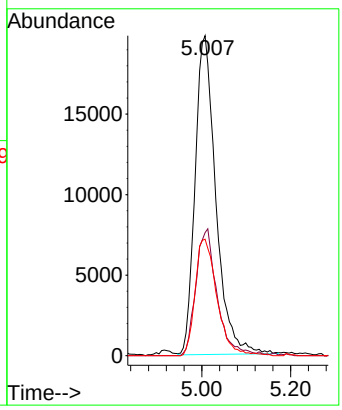




#29
Tetrahydrofuran
Concen: 106.388 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 42 Resp: 6441

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.7	50.5
71	38.4	31.4	47.2



Instrument :
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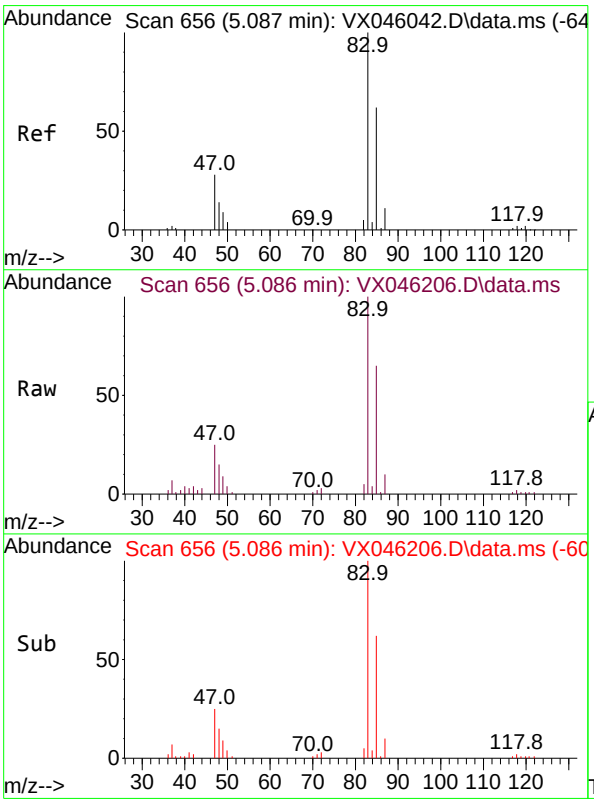
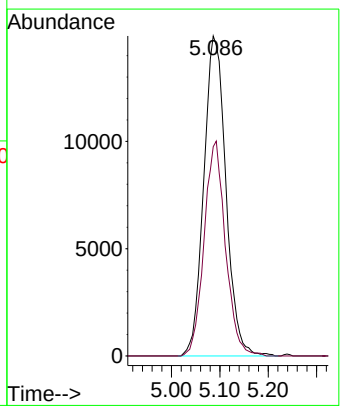
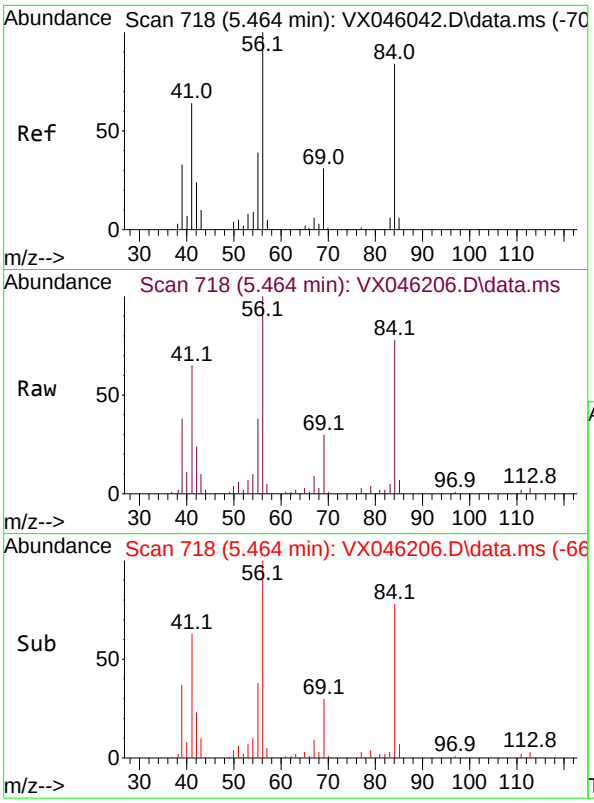


#30
Chloroform
Concen: 20.958 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 83 Resp: 47424

Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.3	73.9

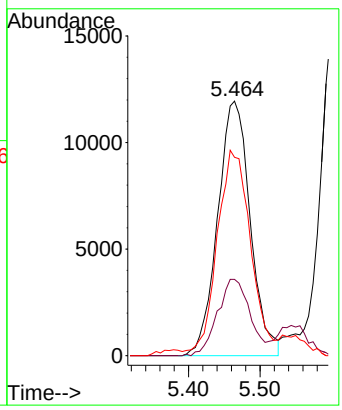




#31
Cyclohexane
Concen: 19.104 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 56 Resp: 3779

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	75.8	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
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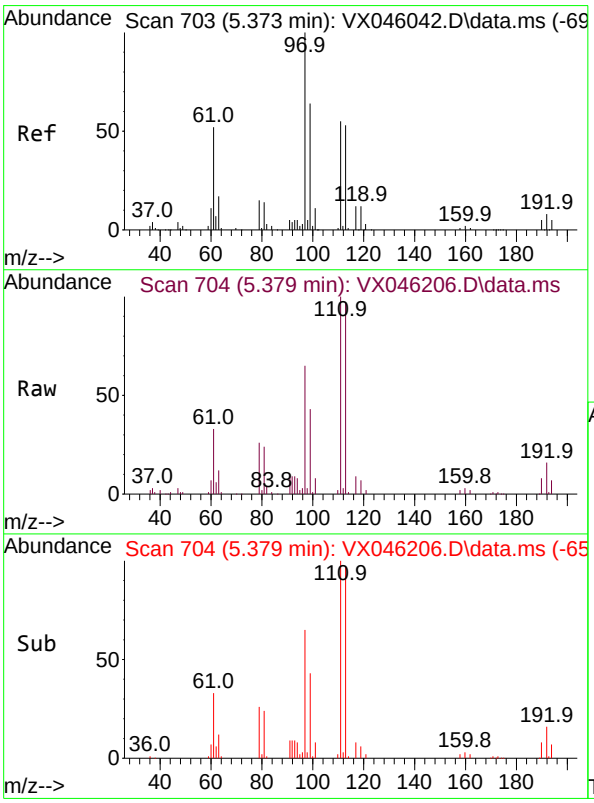
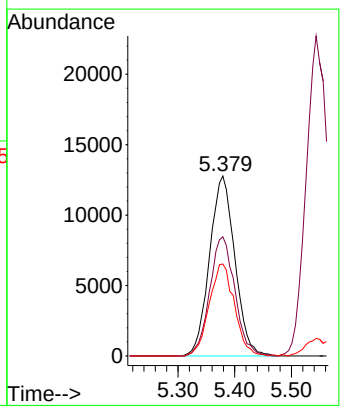
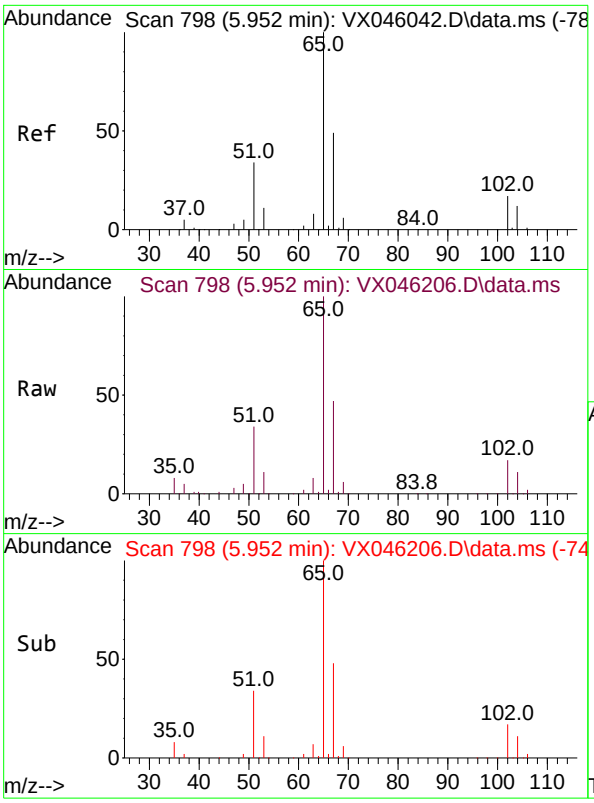


#32
1,1,1-Trichloroethane
Concen: 20.199 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 97 Resp: 39621

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	50.8	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 50.668 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 65 Resp: 8410

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
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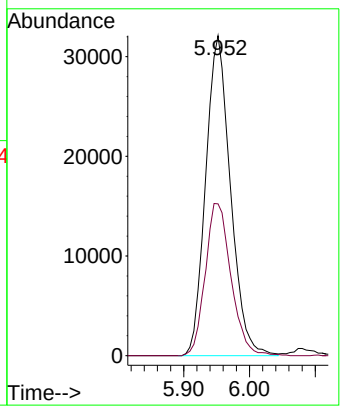
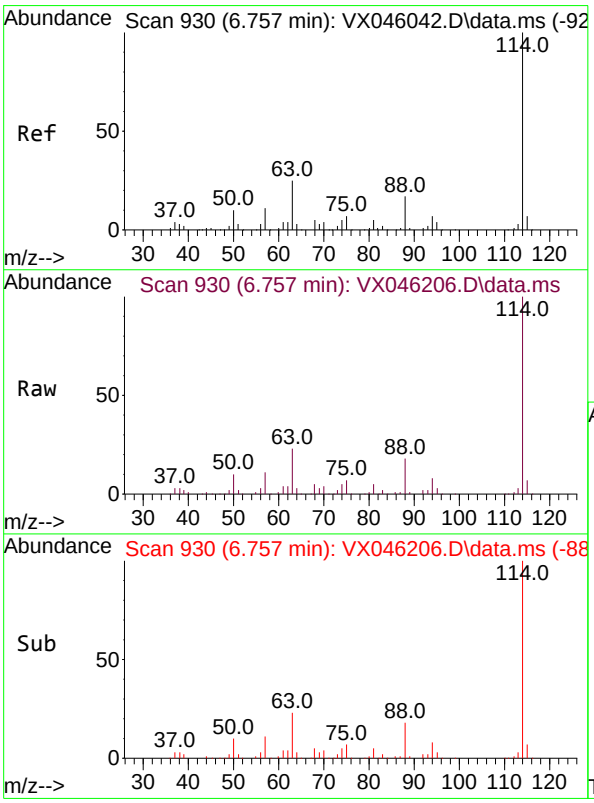
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

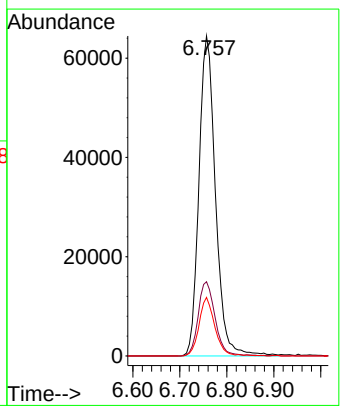


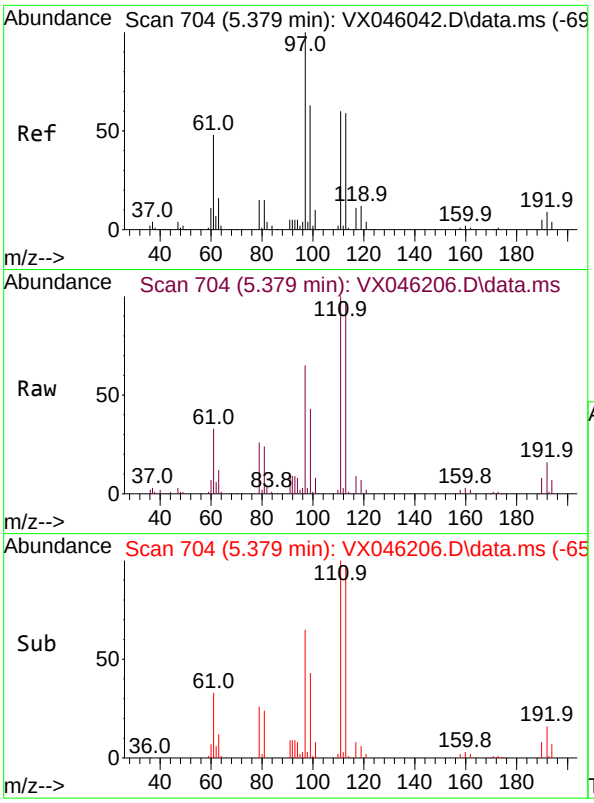


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:114 Resp: 157824

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	49.2
88	18.3	0.0	33.6

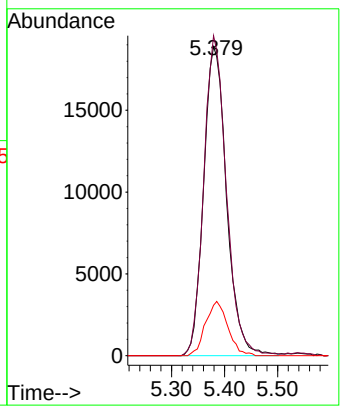




#35
Dibromofluoromethane
Concen: 50.032 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:113 Resp: 5686

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	17.1	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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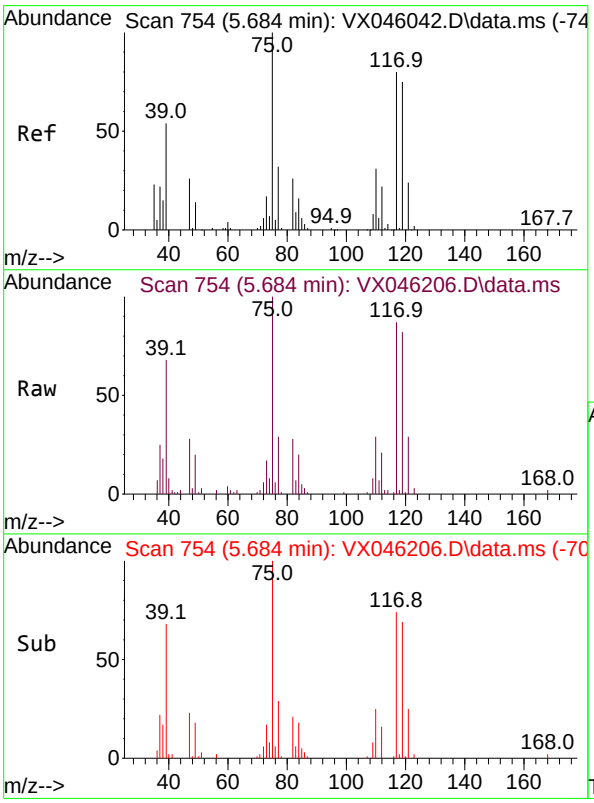
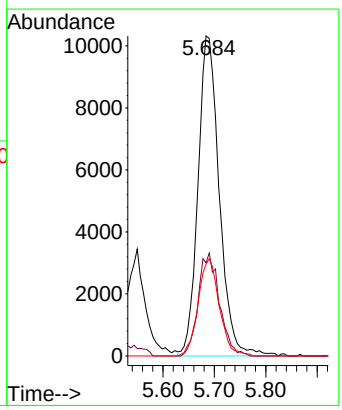
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

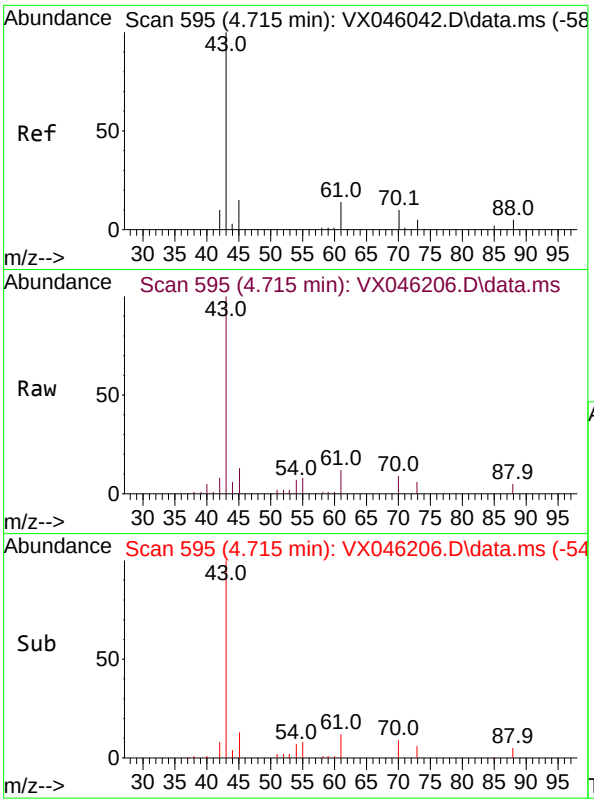


#36
1,1-Dichloropropene
Concen: 19.489 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 29760

Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.3	48.9
77	30.2	24.3	36.5





#37
Ethyl Acetate
Concen: 18.516 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 3493

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	10.3	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
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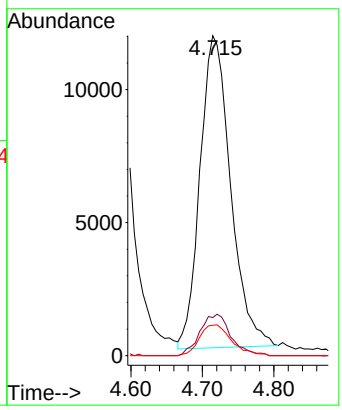
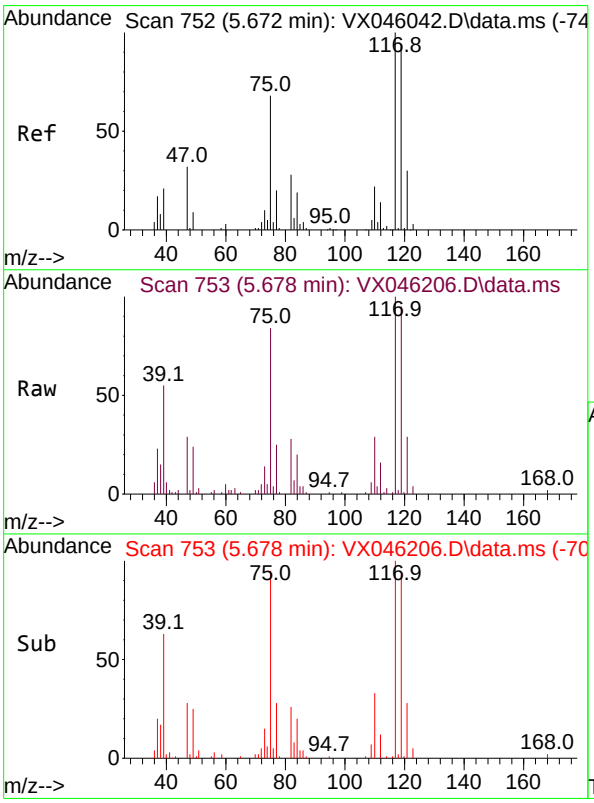
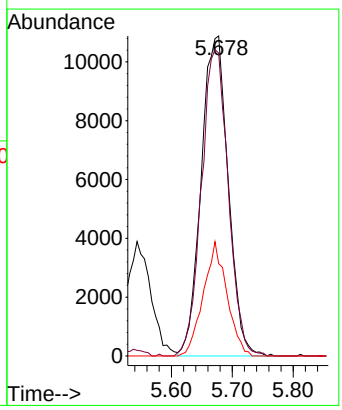


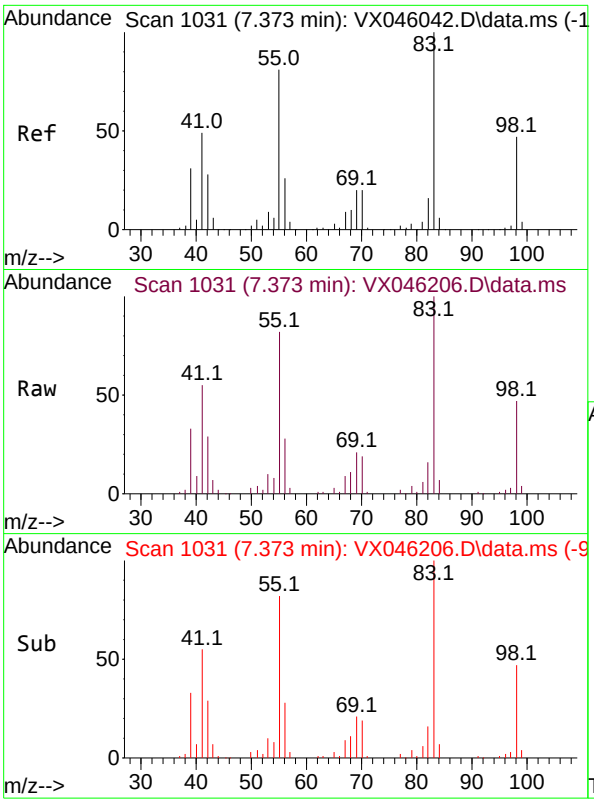


#38
Carbon Tetrachloride
Concen: 19.536 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:117 Resp: 33518

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.2	112.8
121	28.9	24.2	36.4

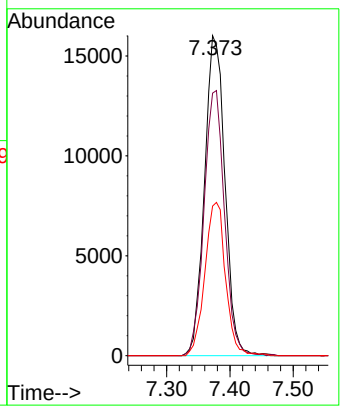




#39
Methylcyclohexane
Concen: 18.348 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 83 Resp: 3607

Ion	Ratio	Lower	Upper
83	100		
55	82.0	64.7	97.1
98	46.7	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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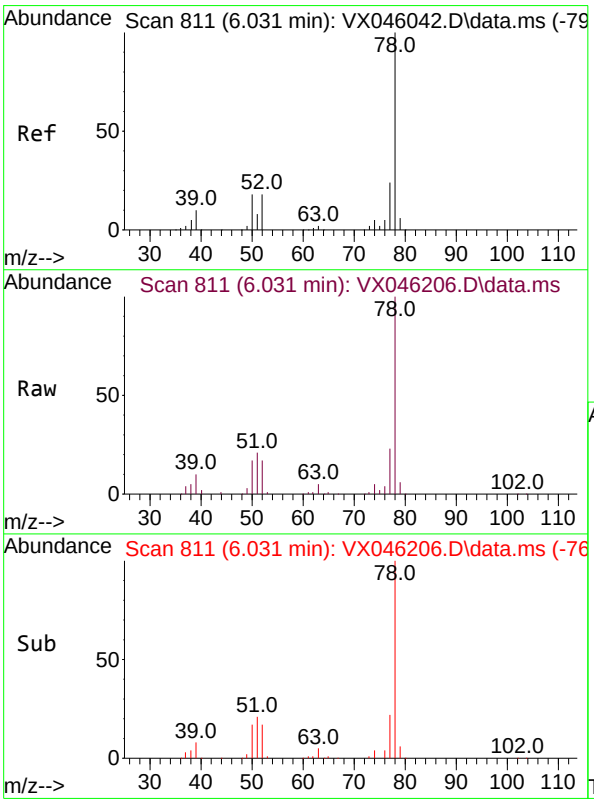
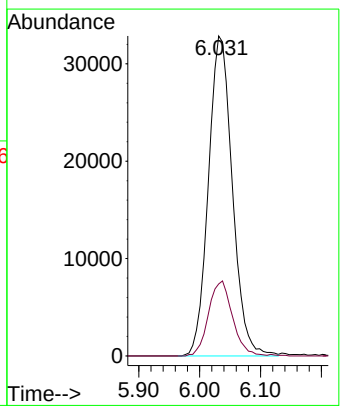
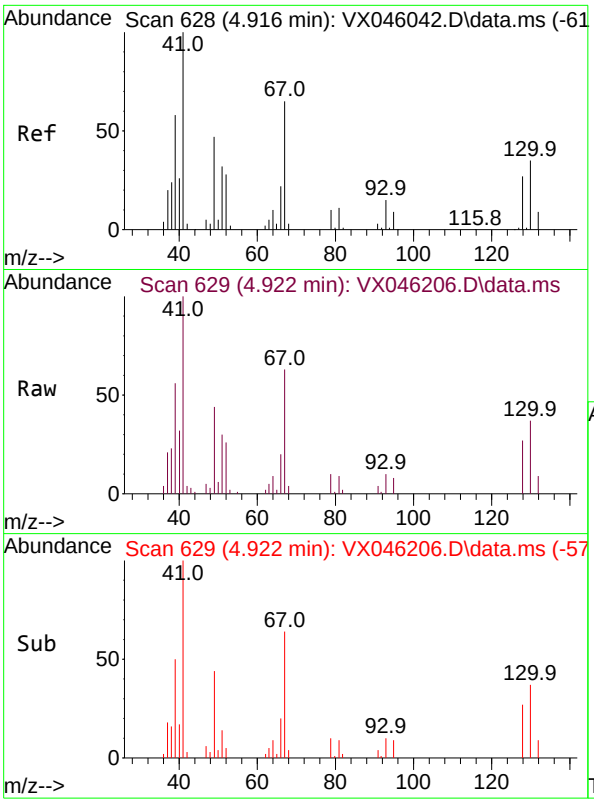


#40
Benzene
Concen: 20.078 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 78 Resp: 89803

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.4

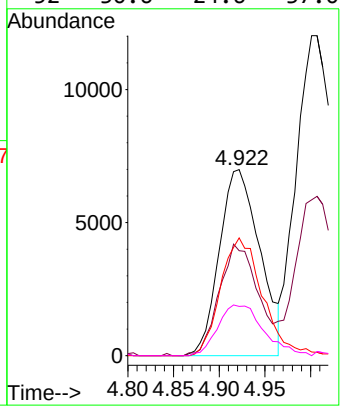




#41
Methacrylonitrile
Concen: 21.872 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 41 Resp: 2158

Ion	Ratio	Lower	Upper
41	100		
39	56.6	47.2	70.8
67	65.6	50.7	76.1
52	30.6	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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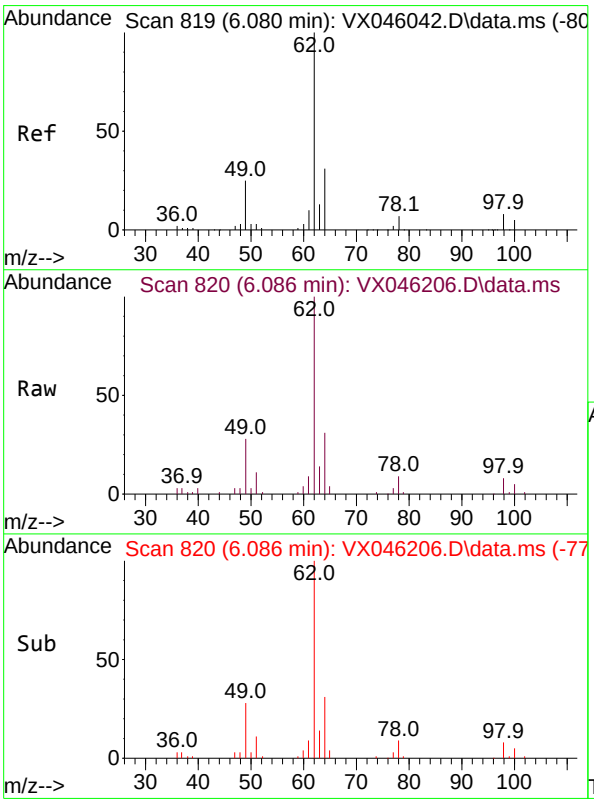
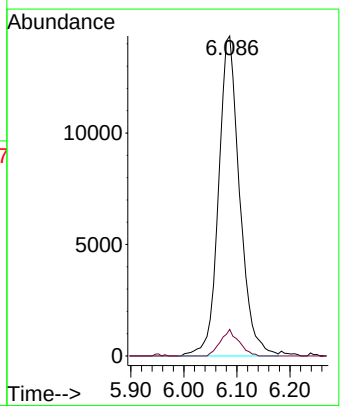
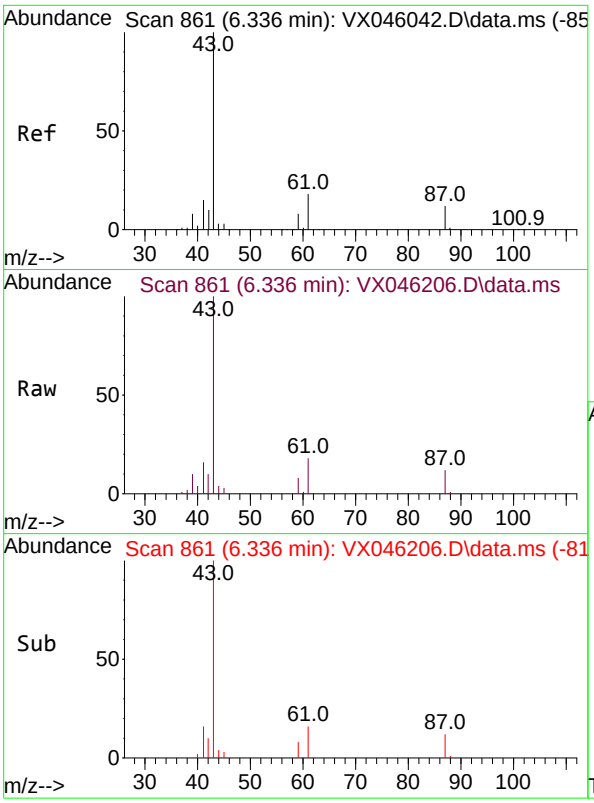


#42
1,2-Dichloroethane
Concen: 20.573 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 62 Resp: 39713

Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.2





#43
Isopropyl Acetate
Concen: 19.876 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 5720

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.3	21.5
87	11.1	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
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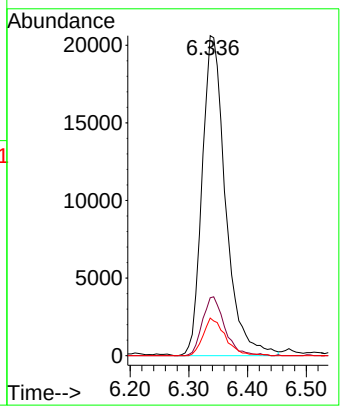
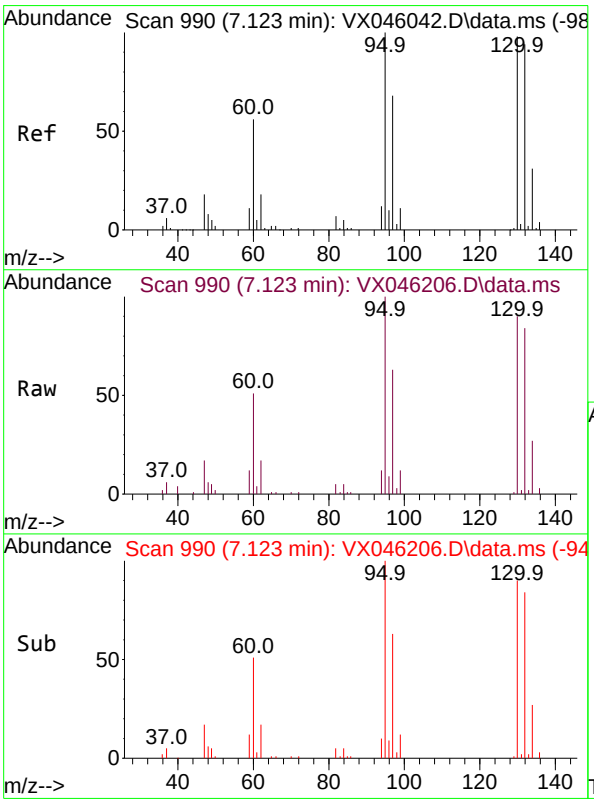
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

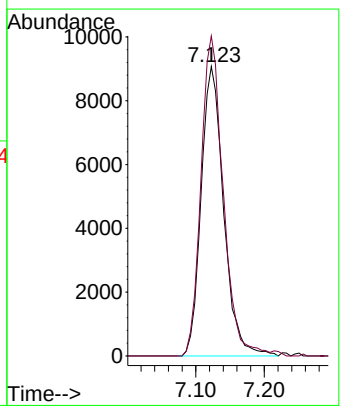


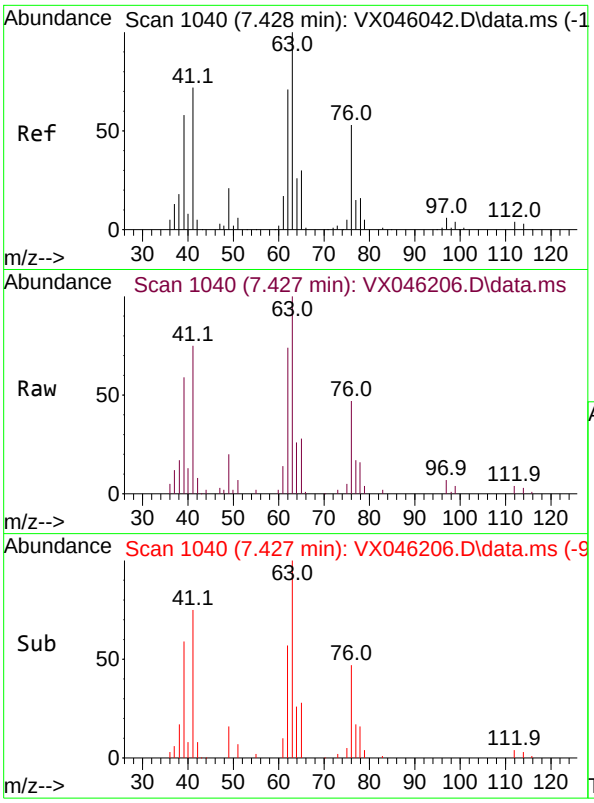


#44
Trichloroethene
Concen: 19.262 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:130 Resp: 20736

Ion	Ratio	Lower	Upper
130	100		
95	110.5	0.0	204.2





#45
1,2-Dichloropropane
Concen: 20.899 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 63 Resp: 2324

Ion	Ratio	Lower	Upper
63	100		
65	28.3	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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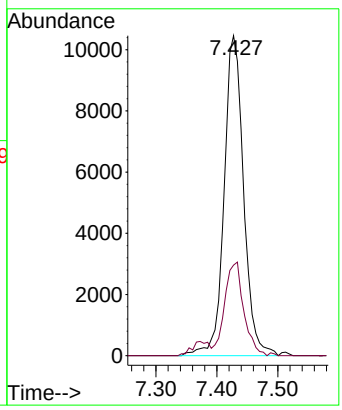
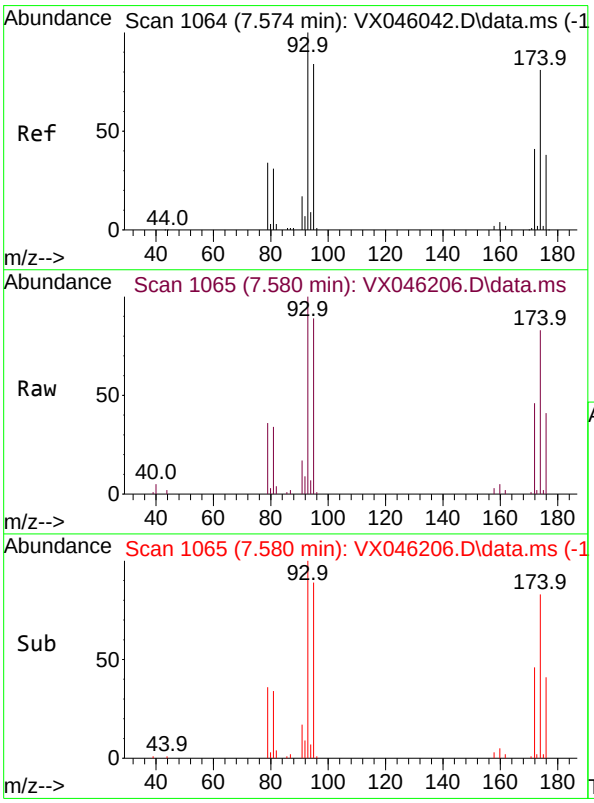
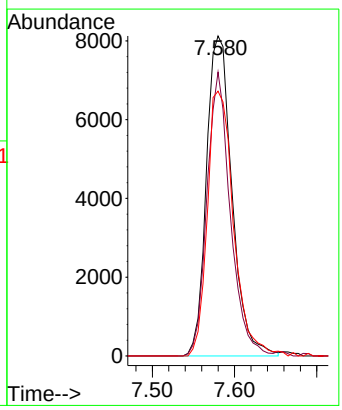


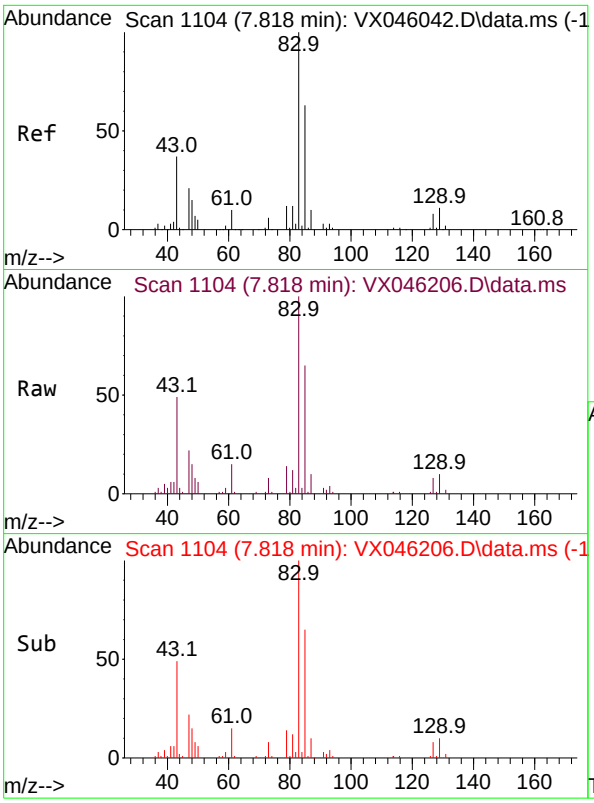


#46
Dibromomethane
Concen: 20.003 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 93 Resp: 17546

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.6	98.4
174	85.0	68.2	102.2

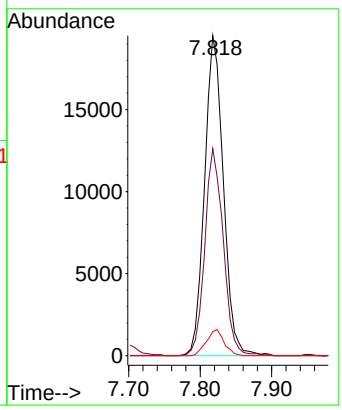




#47
Bromodichloromethane
Concen: 20.608 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 83 Resp: 3560

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.5	75.7
127	7.5	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
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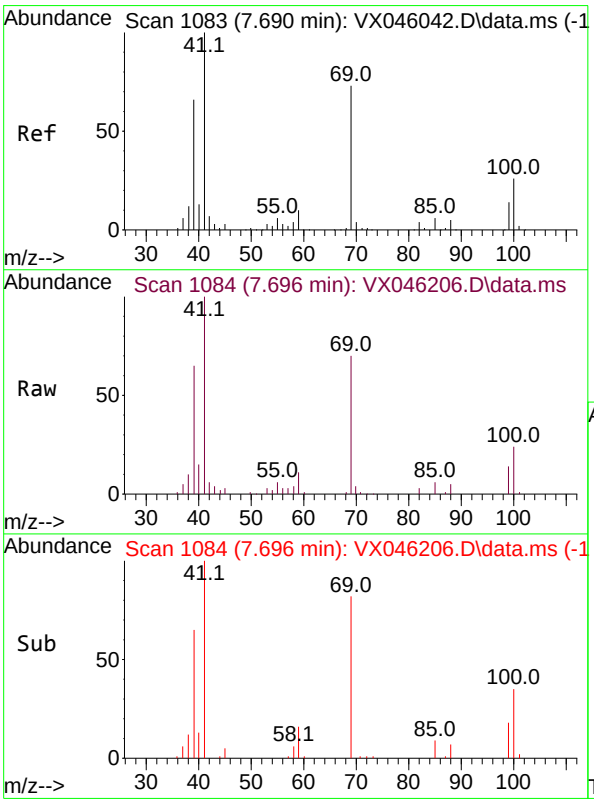
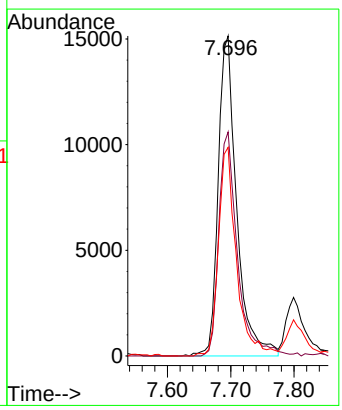
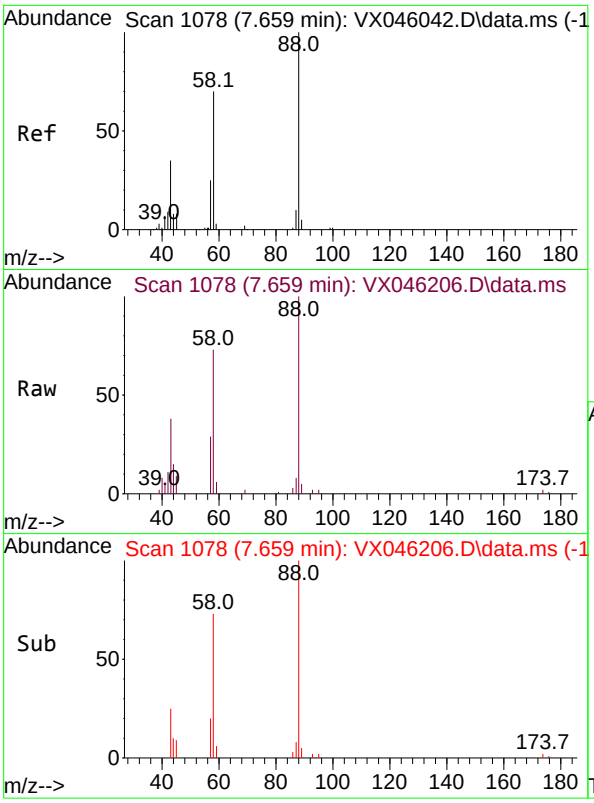


#48
Methyl methacrylate
Concen: 20.826 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 41 Resp: 30612

Ion	Ratio	Lower	Upper
41	100		
69	70.7	58.5	87.7
39	63.5	51.7	77.5

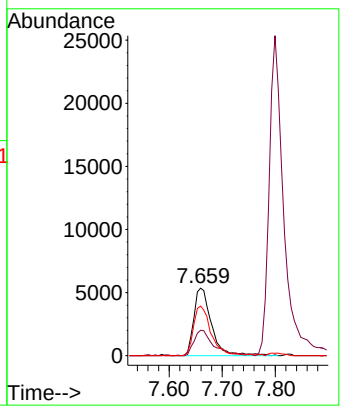




#49
1,4-Dioxane
Concen: 441.933 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 88 Resp: 1233

Ion	Ratio	Lower	Upper
88	100		
43	41.6	33.4	50.2
58	74.1	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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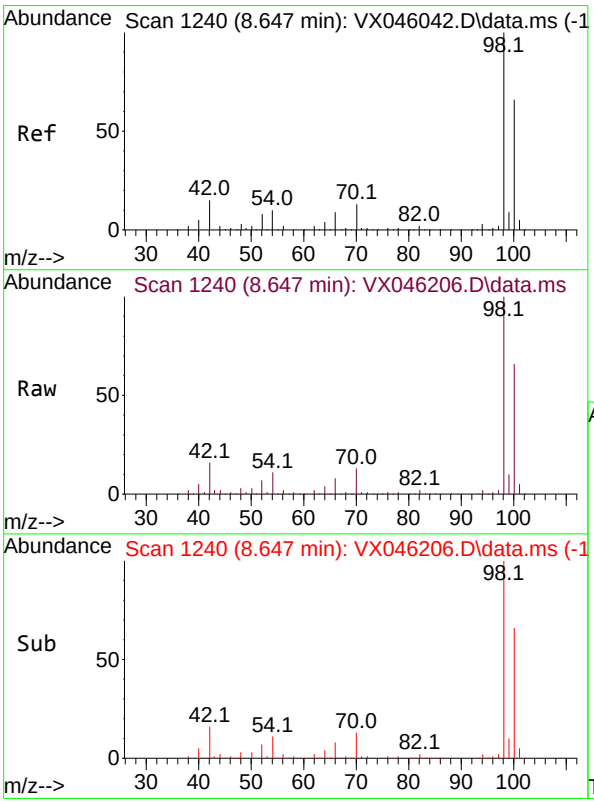
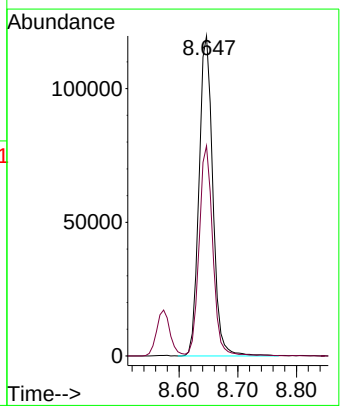
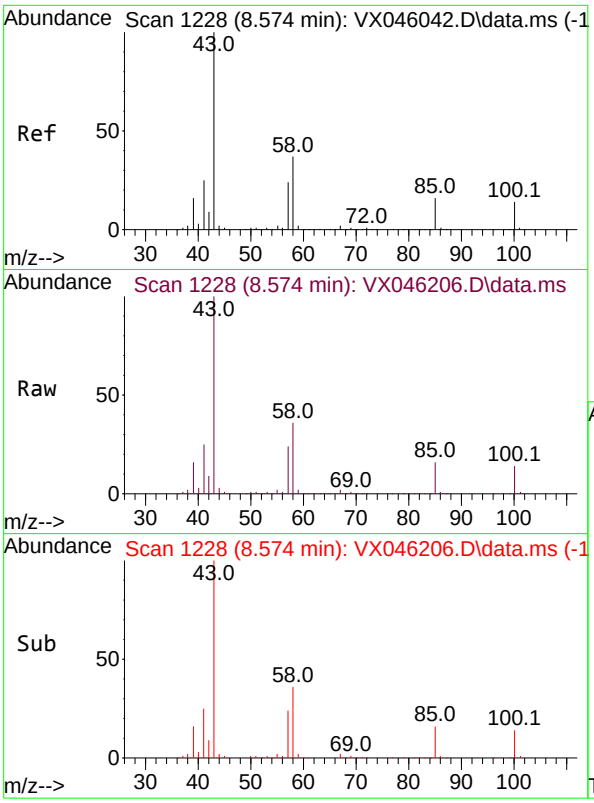


#50
Toluene-d8
Concen: 49.675 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 98 Resp: 195401

Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.5	80.3

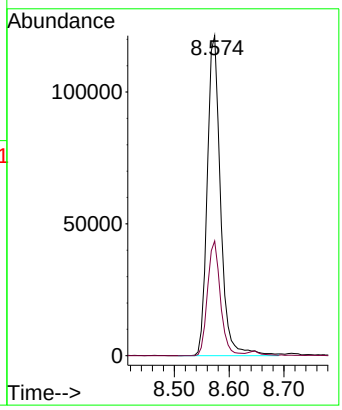




#51
4-Methyl-2-Pentanone
Concen: 106.590 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 20363

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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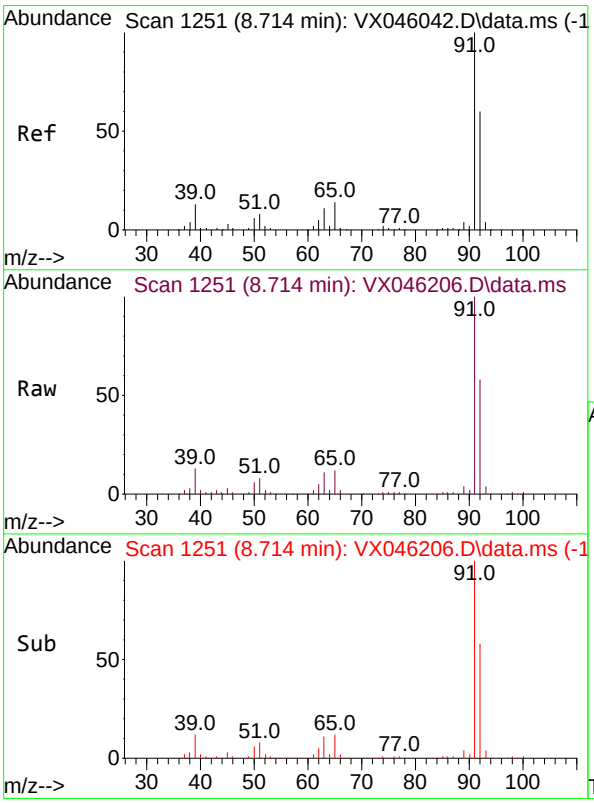
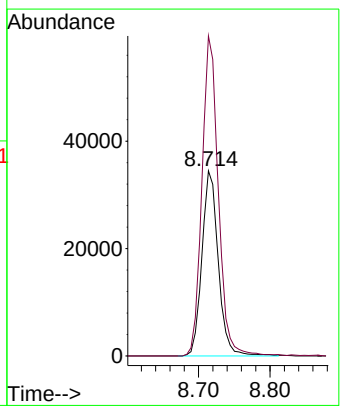
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

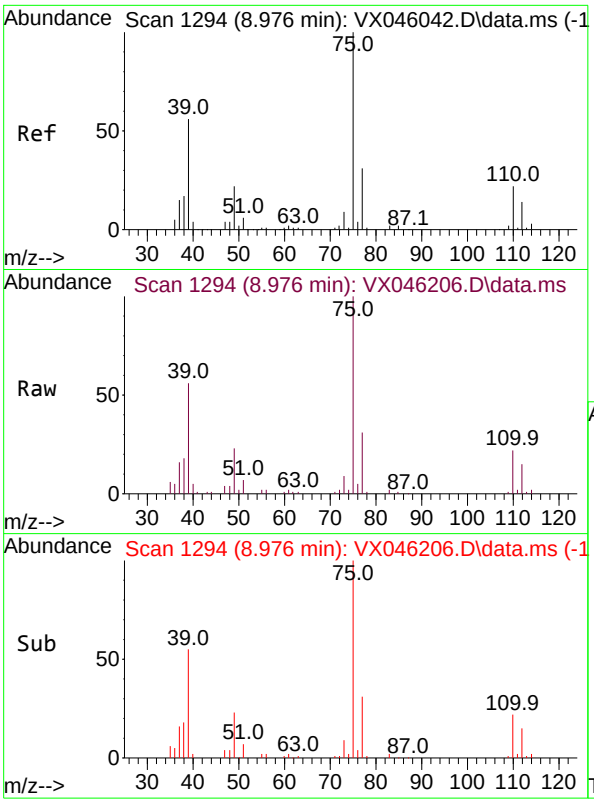


#52
Toluene
Concen: 19.993 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 92 Resp: 54833

Ion	Ratio	Lower	Upper
92	100		
91	173.3	136.6	205.0

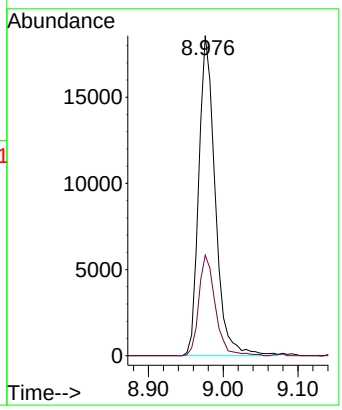




#53
t-1,3-Dichloropropene
Concen: 18.474 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 2836

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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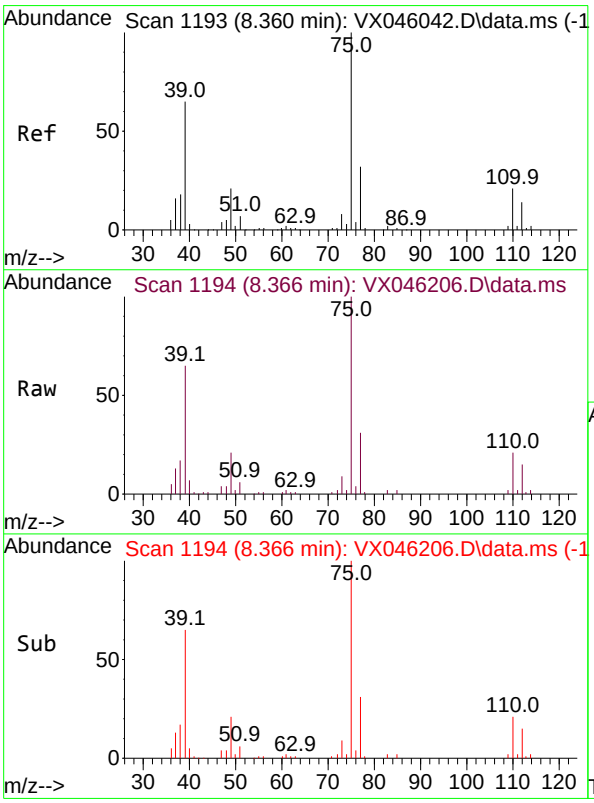
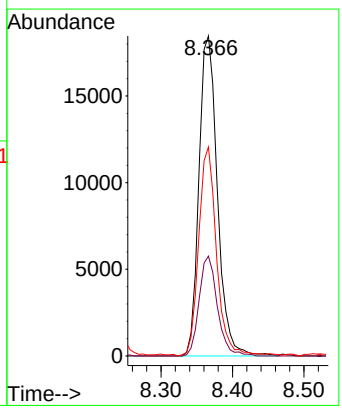
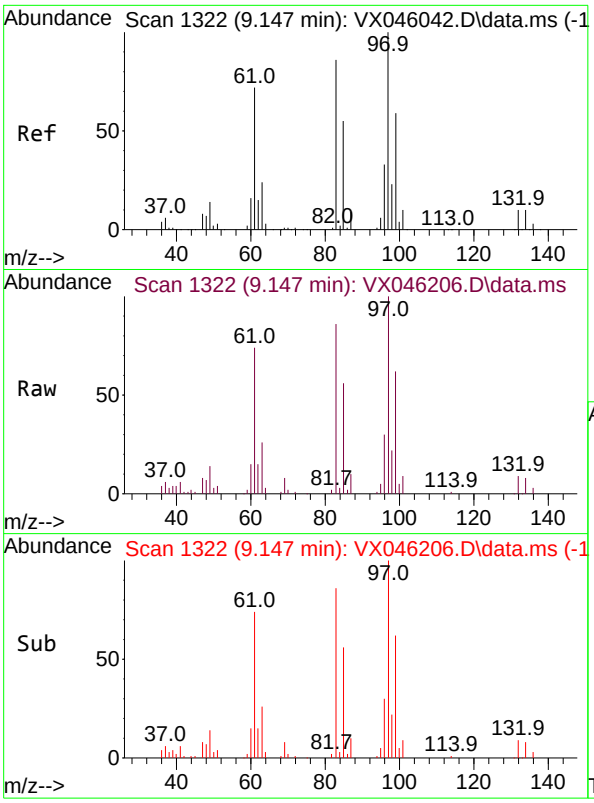


#54
cis-1,3-Dichloropropene
Concen: 19.473 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 33050

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	65.3	52.2	78.4

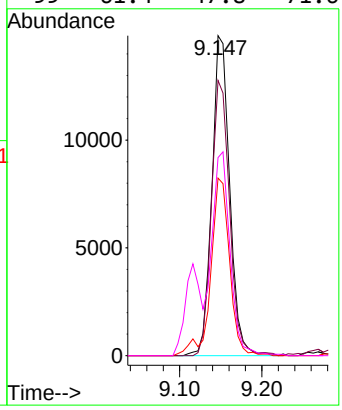




#55
1,1,2-Trichloroethane
Concen: 20.680 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 97 Resp: 2236

Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.0	103.6
85	55.5	44.3	66.5
99	61.4	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
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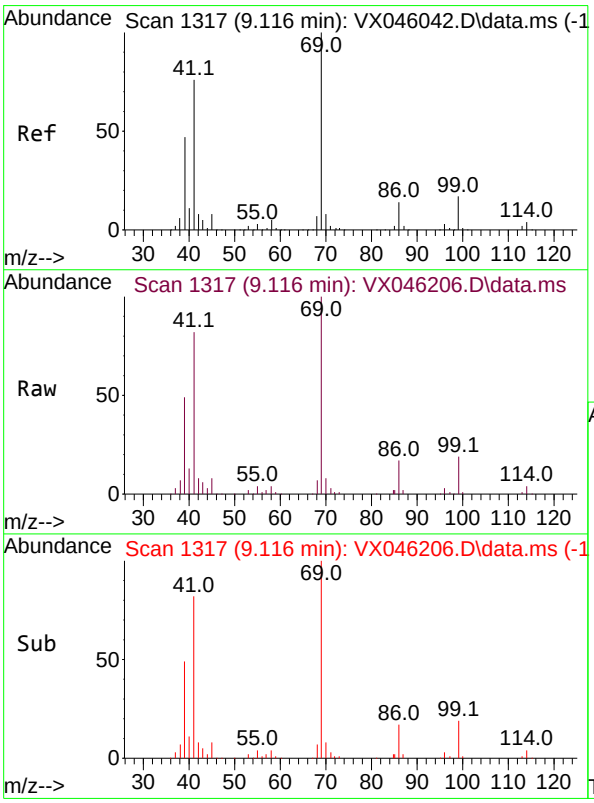
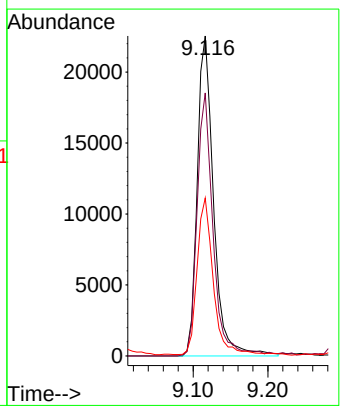
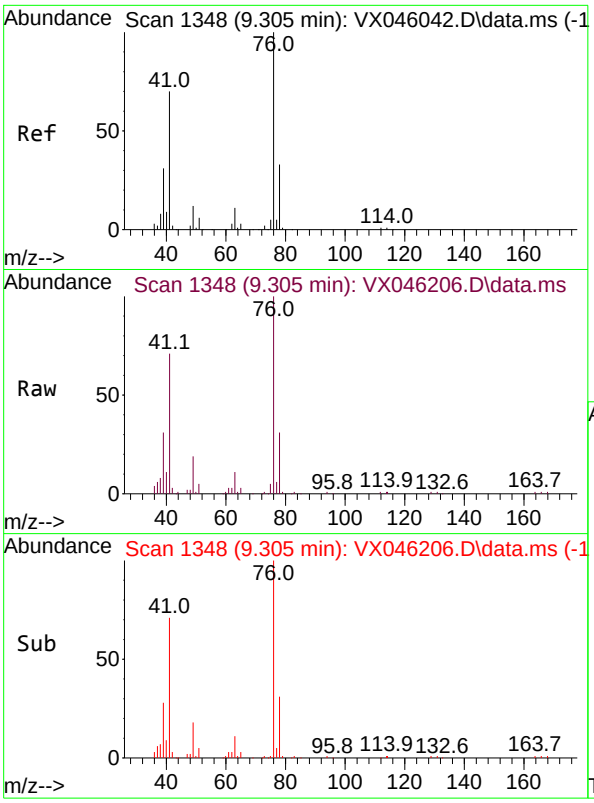


#56
Ethyl methacrylate
Concen: 19.841 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 69 Resp: 34197

Ion	Ratio	Lower	Upper
69	100		
41	80.8	60.8	91.2
39	49.6	39.0	58.6

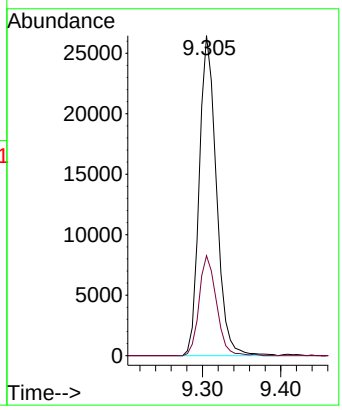




#57
1,3-Dichloropropane
Concen: 20.692 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 76 Resp: 4018

Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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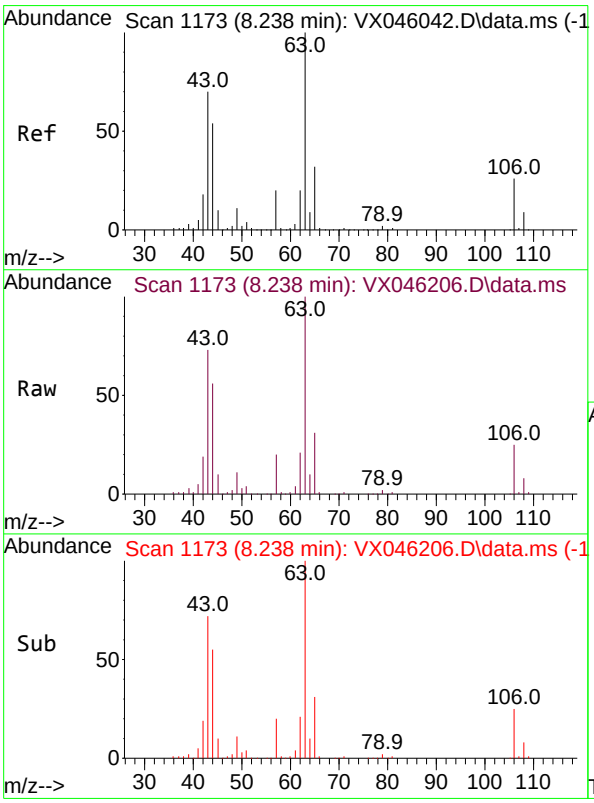
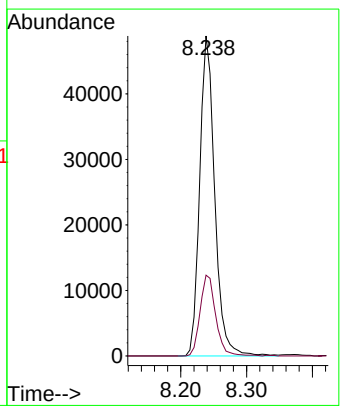
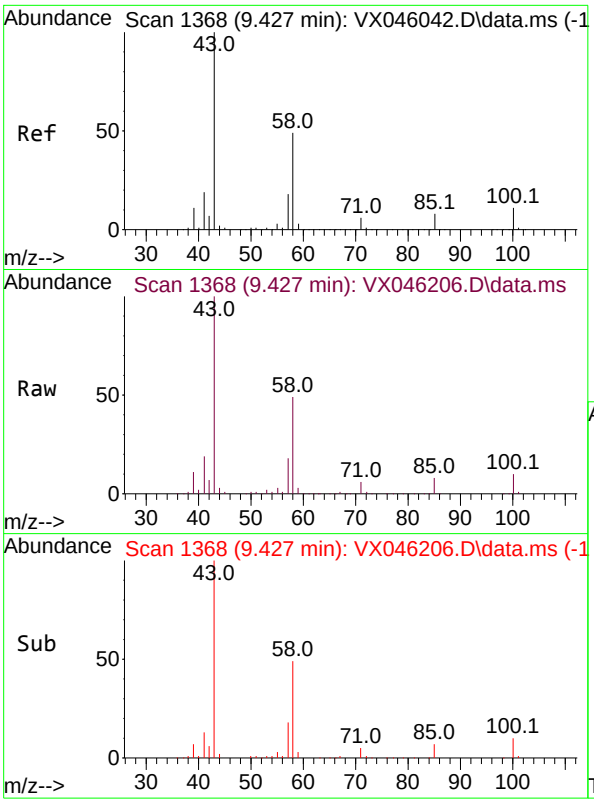


#58
2-Chloroethyl Vinyl ether
Concen: 88.326 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 63 Resp: 77611

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3





#59
2-Hexanone
Concen: 107.694 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 15221

Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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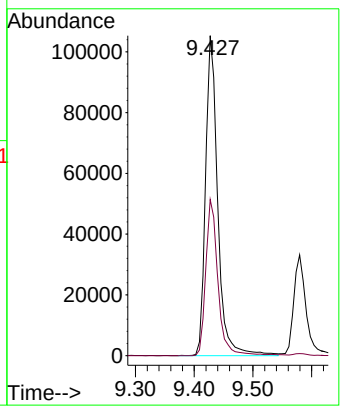
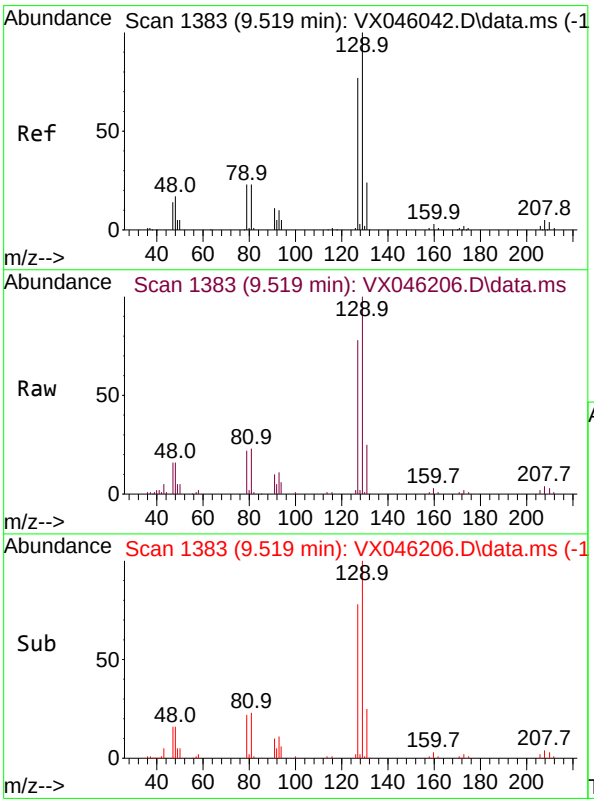
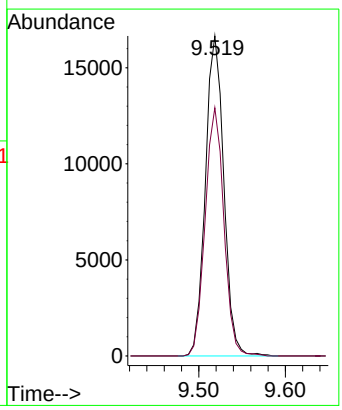


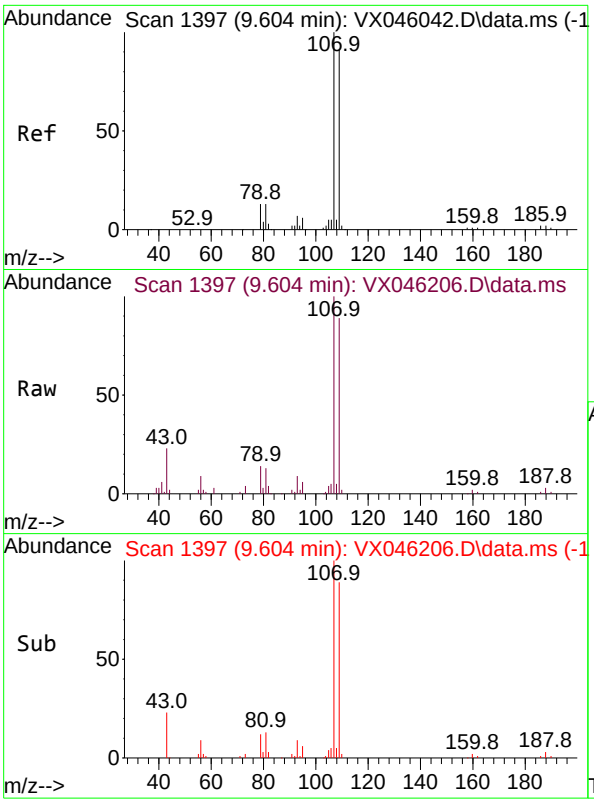


#60
Dibromochloromethane
Concen: 20.728 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:129 Resp: 24617

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8





#61
1,2-Dibromoethane
Concen: 20.447 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:107 Resp: 2298

Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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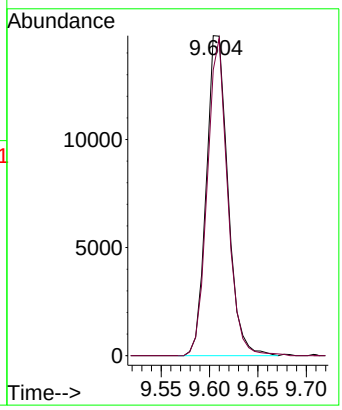
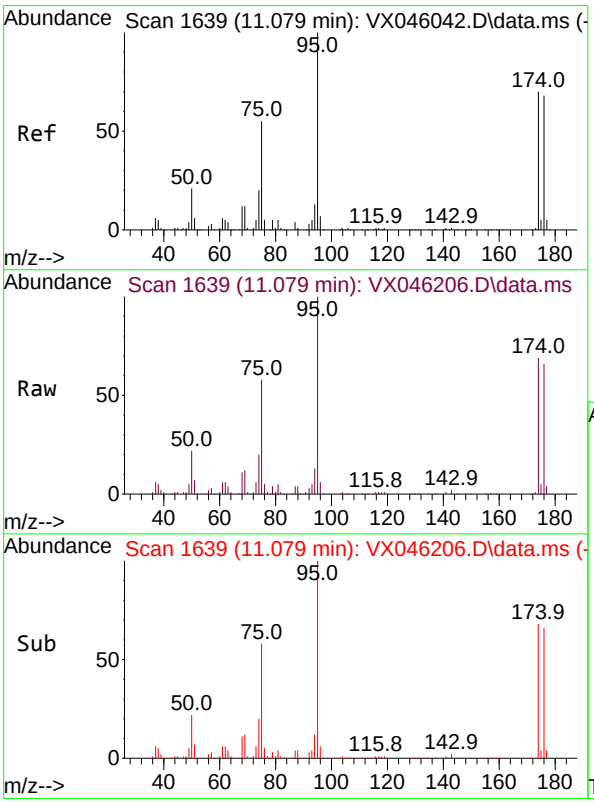
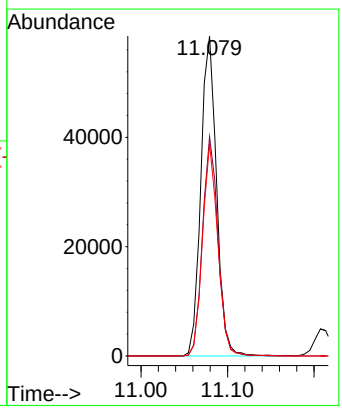


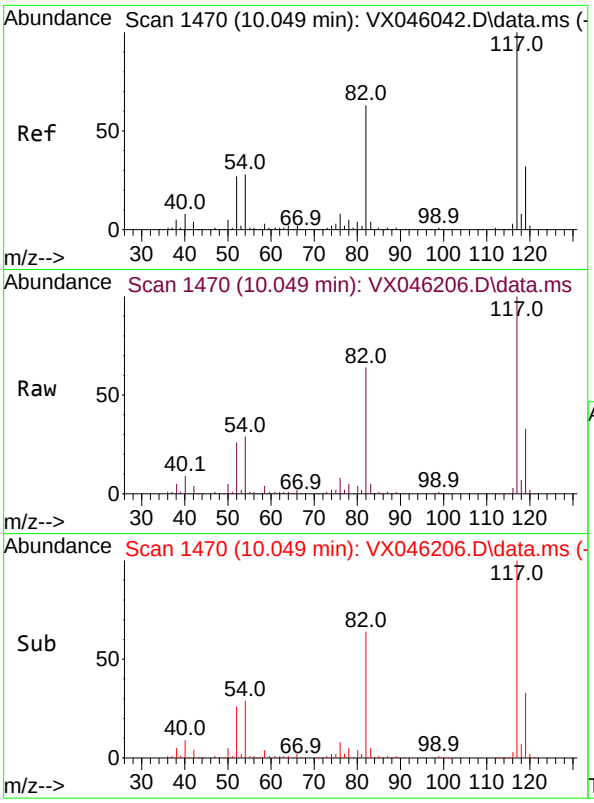


#62
4-Bromofluorobenzene
Concen: 48.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 95 Resp: 73760

Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	135.8
176	64.7	0.0	131.4

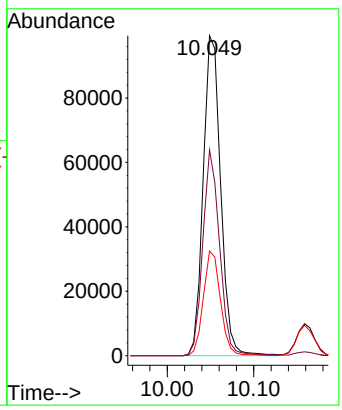




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:117 Resp: 13936

Ion	Ratio	Lower	Upper
117	100		
82	64.3	50.6	76.0
119	32.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
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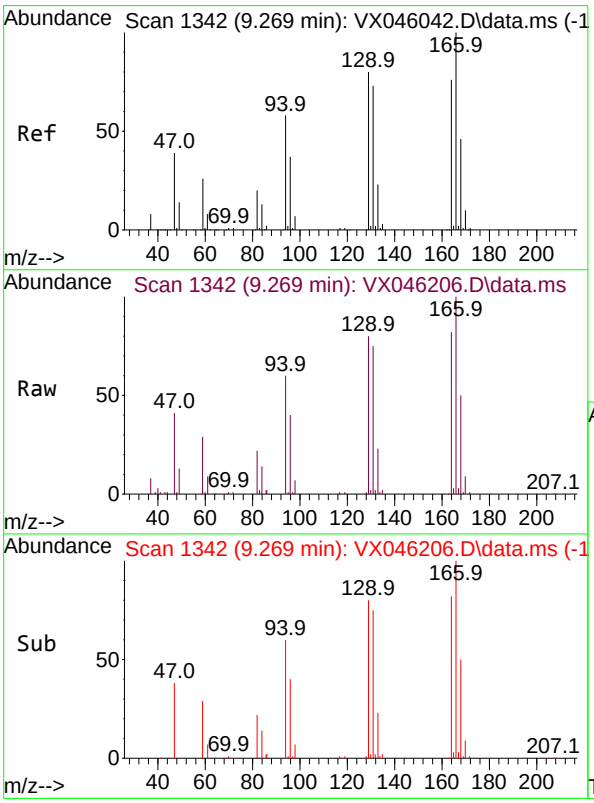
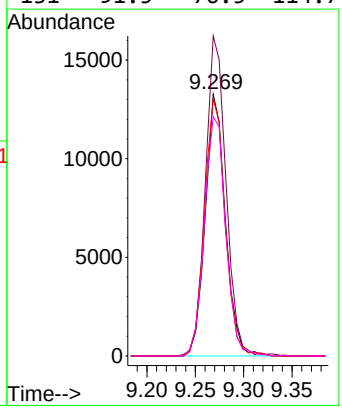
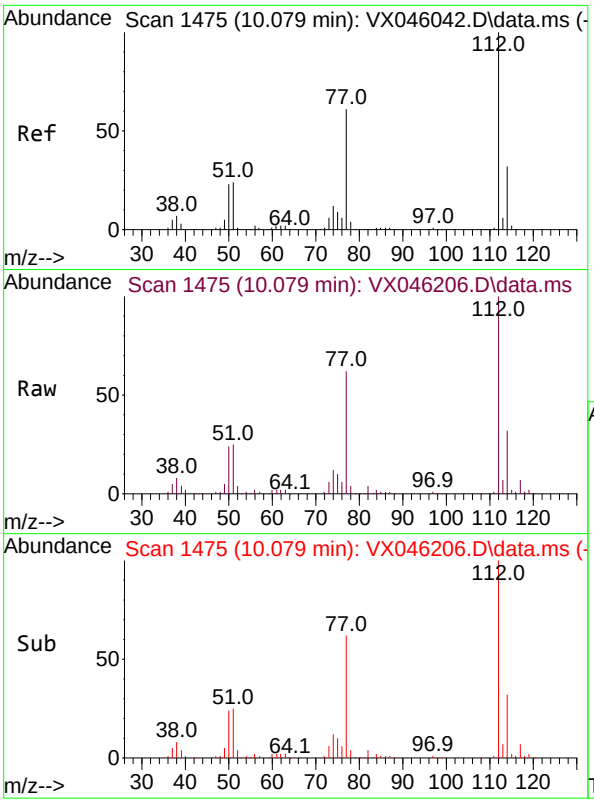


#64
Tetrachloroethene
Concen: 19.467 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:164 Resp: 19195

Ion	Ratio	Lower	Upper
164	100		
166	122.3	105.0	157.6
129	98.3	83.5	125.3
131	91.5	76.5	114.7

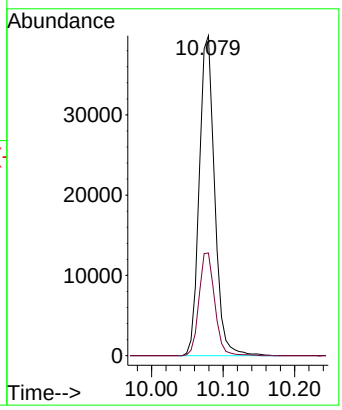




#65
Chlorobenzene
Concen: 19.520 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:112 Resp: 5954

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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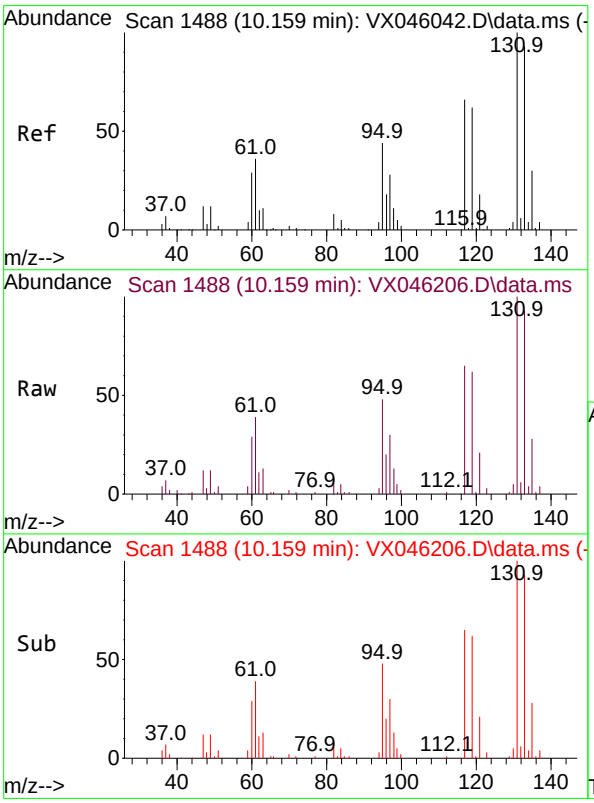
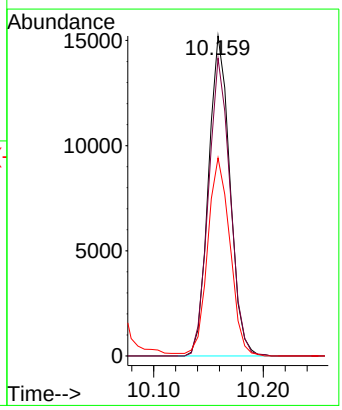
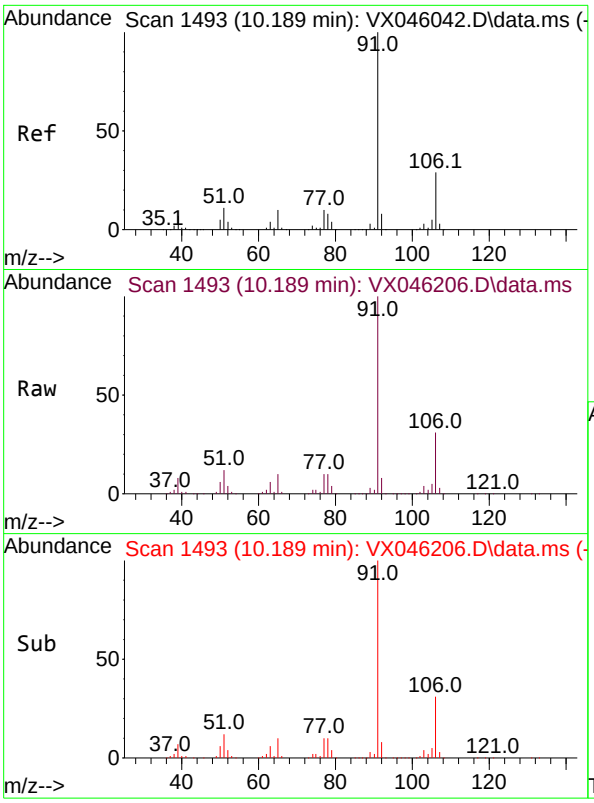


#66
1,1,1,2-Tetrachloroethane
Concen: 19.834 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:131 Resp: 20659

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.9
119	64.8	31.6	95.0

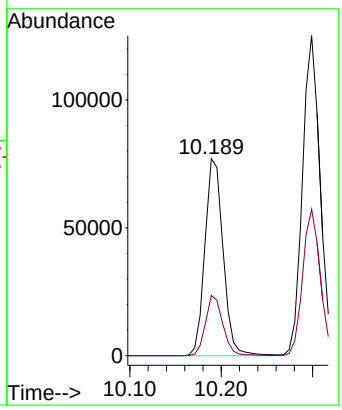




#67
Ethyl Benzene
Concen: 19.824 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 91 Resp: 10658

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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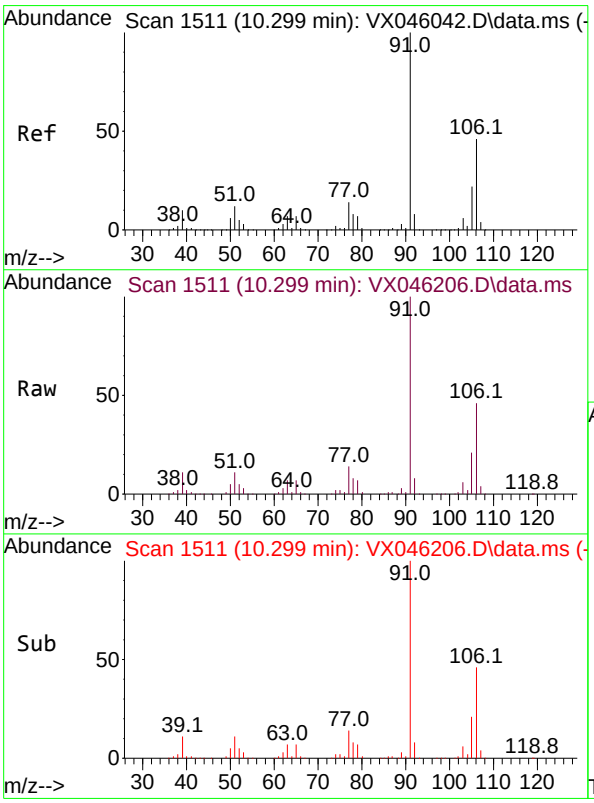
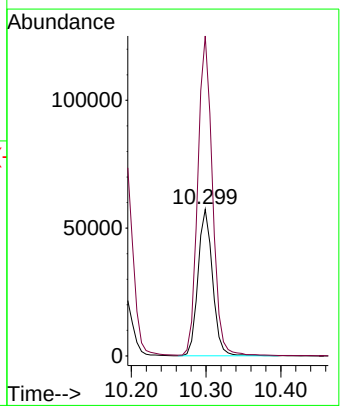
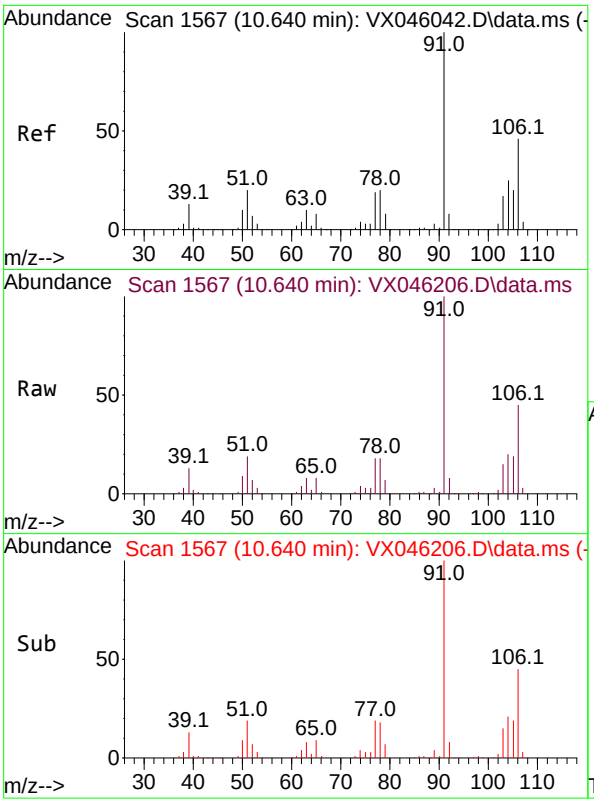


#68
m/p-Xylenes
Concen: 39.431 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:106 Resp: 77543

Ion	Ratio	Lower	Upper
106	100		
91	220.1	171.2	256.8

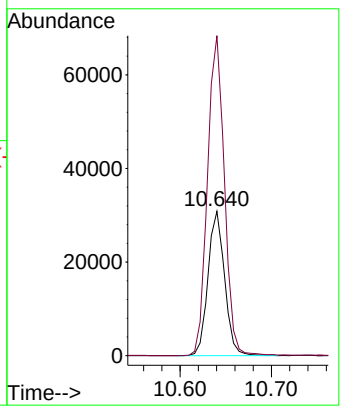




#69
o-Xylene
Concen: 20.288 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:106 Resp: 3889

Ion	Ratio	Lower	Upper
106	100		
91	226.4	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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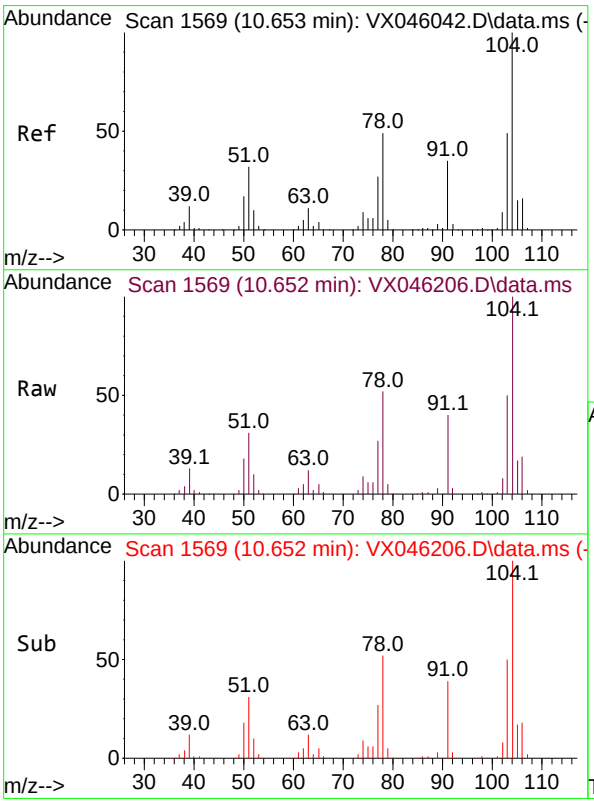
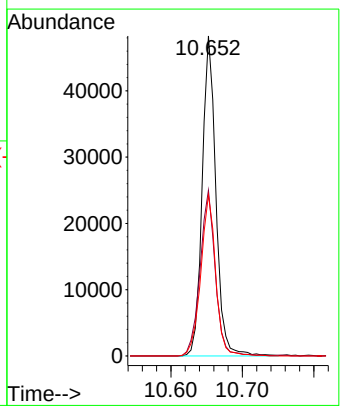
Supervised By :Mahesh Dadoda 05/16/2025

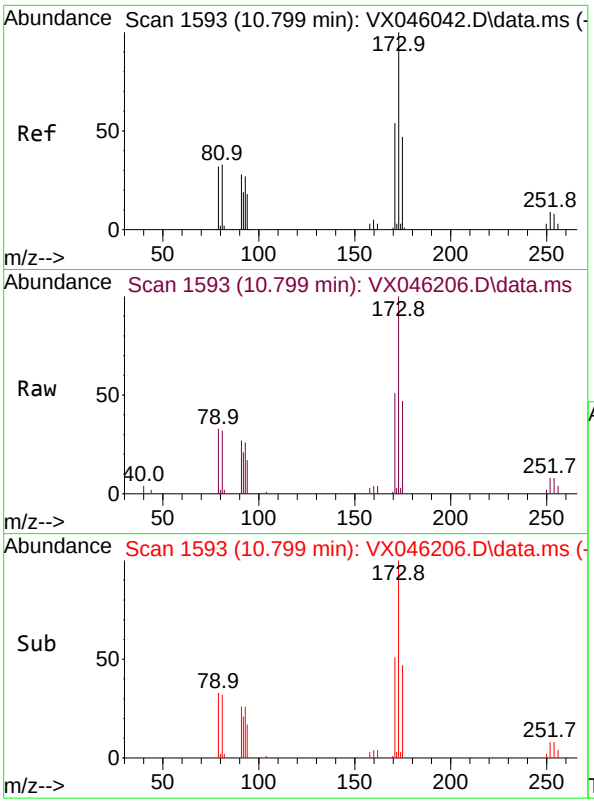


#70
Styrene
Concen: 20.510 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:104 Resp: 64413

Ion	Ratio	Lower	Upper
104	100		
78	57.8	45.7	68.5
103	54.7	43.7	65.5

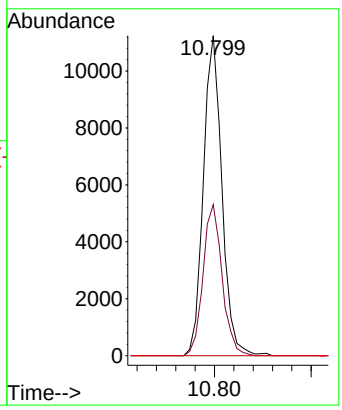




#71
Bromoform
Concen: 19.133 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:173 Resp: 1496

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.0
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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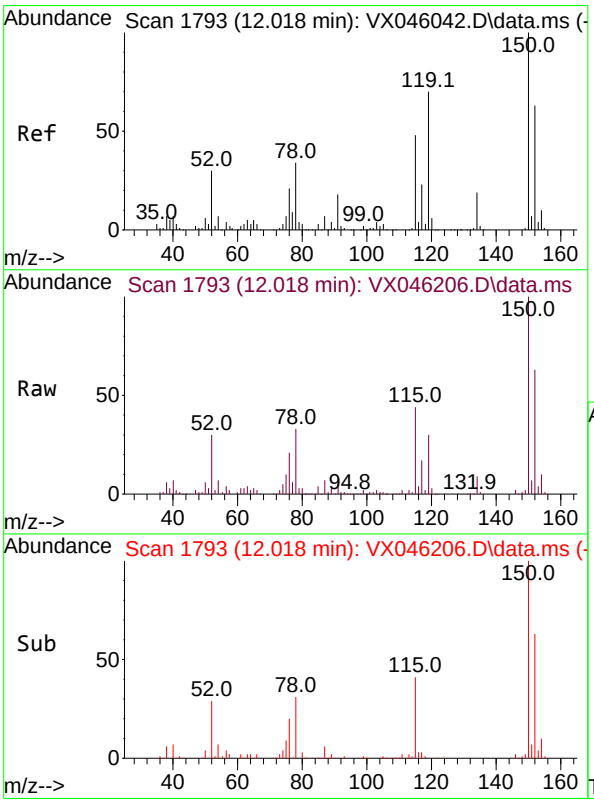
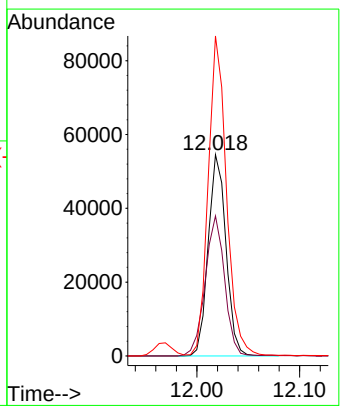
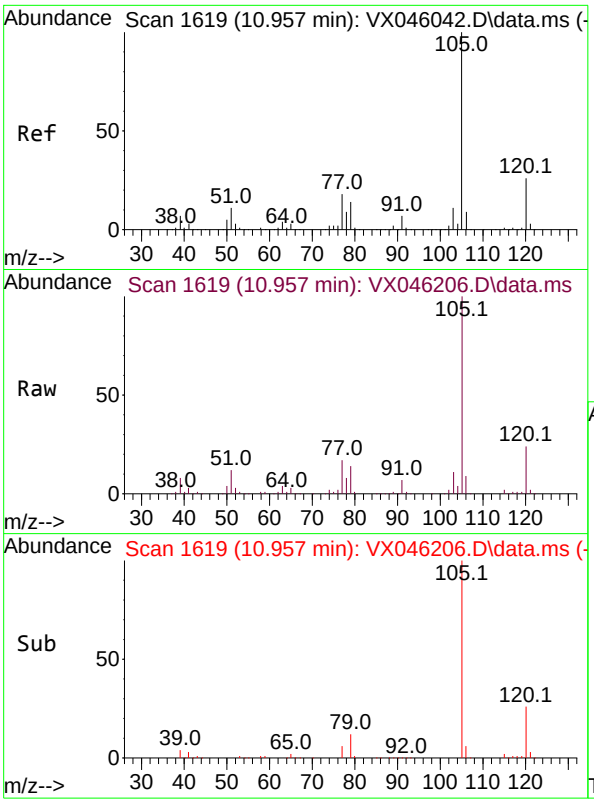


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:152 Resp: 65777

Ion	Ratio	Lower	Upper
152	100		
115	76.4	46.9	140.7
150	162.9	0.0	351.0





#73
Isopropylbenzene
Concen: 20.095 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:105 Resp: 10290

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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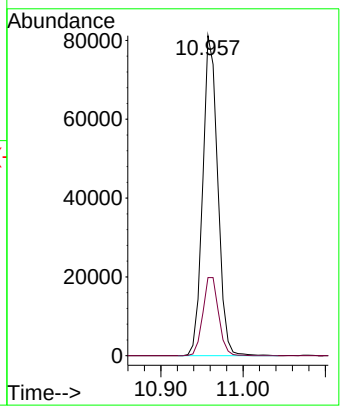
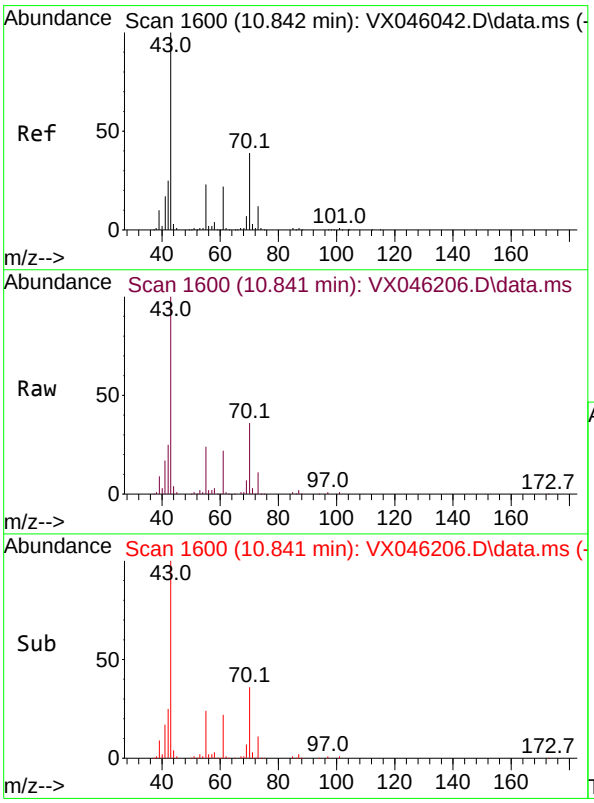
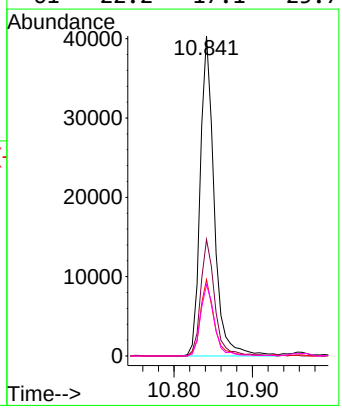


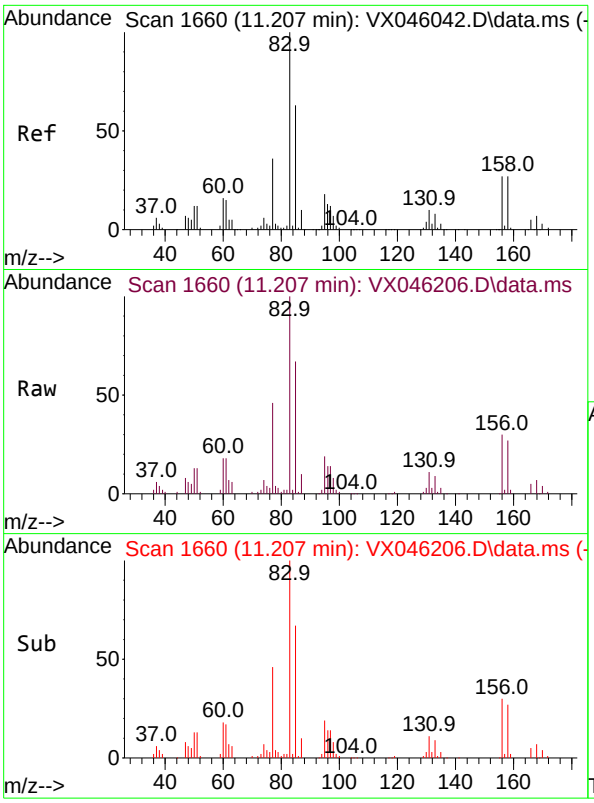


#74
N-amyl acetate
Concen: 19.716 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 49890

Ion	Ratio	Lower	Upper
43	100		
70	36.8	30.9	46.3
55	23.4	18.7	28.1
61	22.2	17.1	25.7

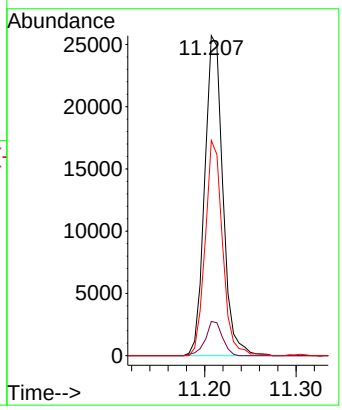




#75
1,1,2,2-Tetrachloroethane
Concen: 19.755 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 83 Resp: 3545

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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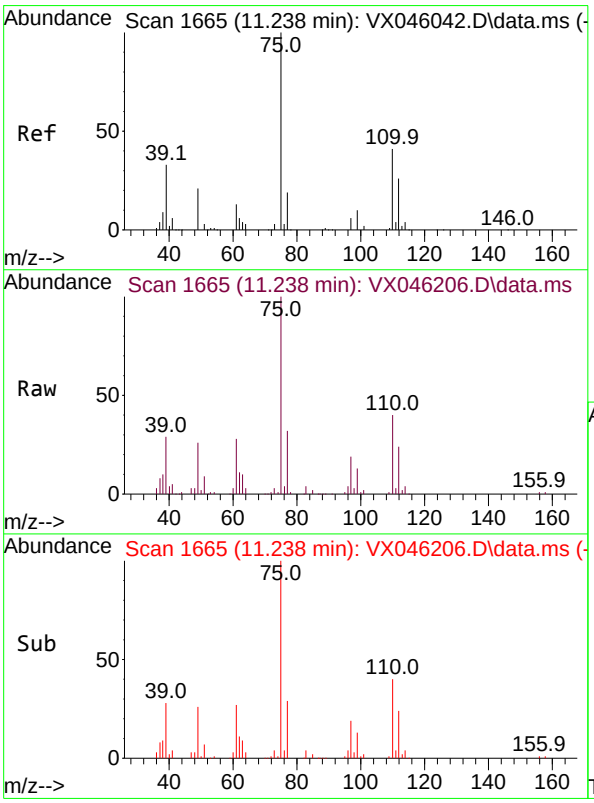
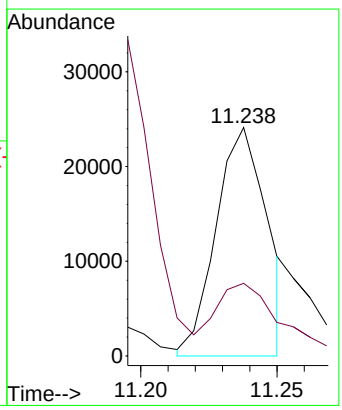
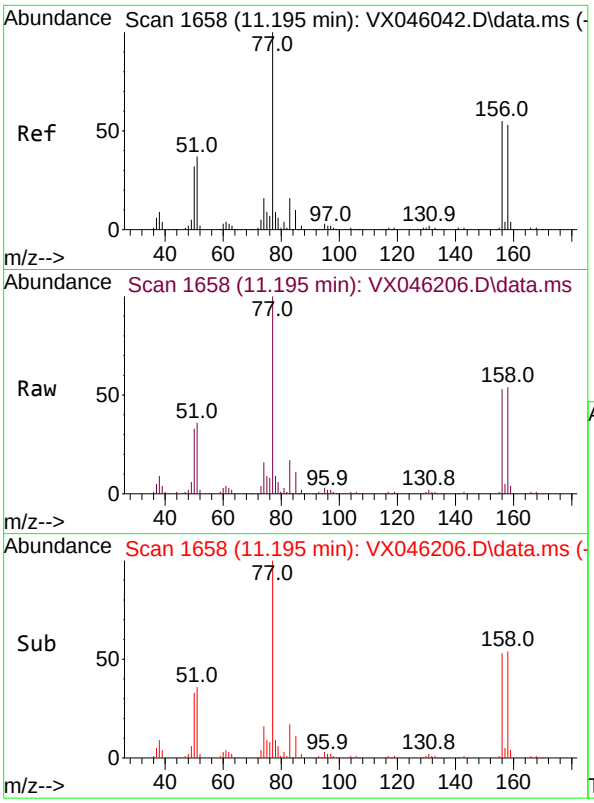


#76
1,2,3-Trichloropropane
Concen: 19.767 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 31296

Ion	Ratio	Lower	Upper
75	100		
77	41.3	20.5	61.5





#77
Bromobenzene
Concen: 20.042 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:156 Resp: 2382

Ion	Ratio	Lower	Upper
156	100		
77	185.1	92.8	278.3
158	95.9	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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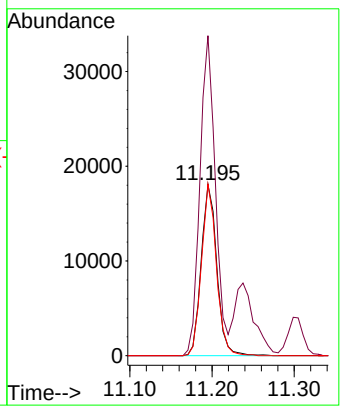
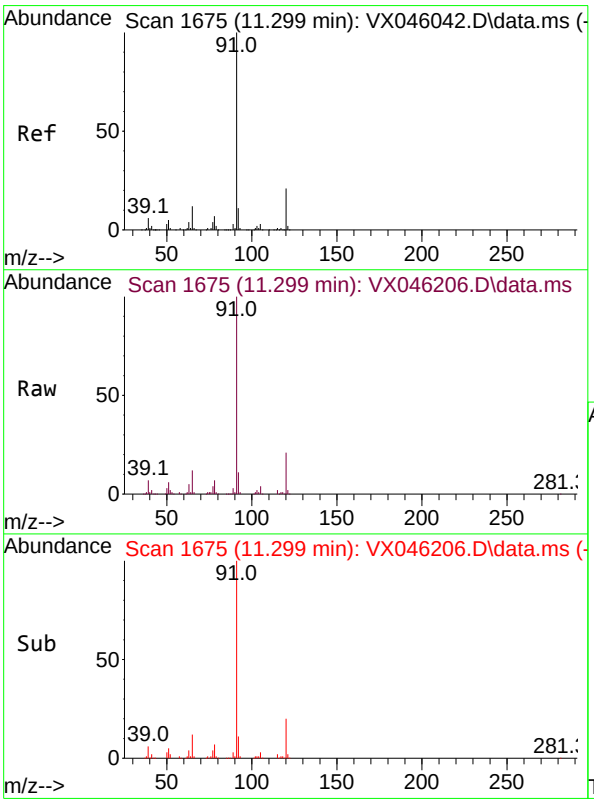
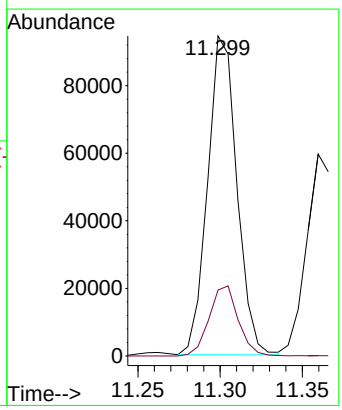


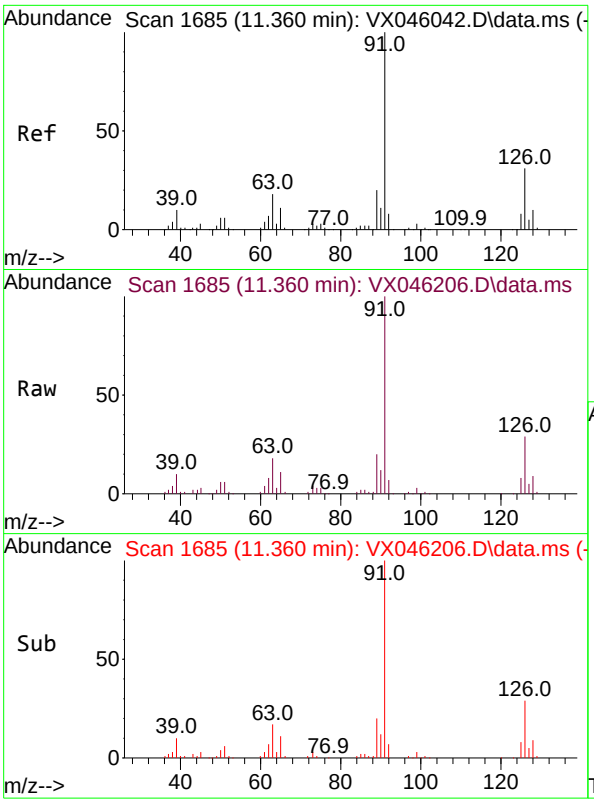


#78
n-propylbenzene
Concen: 19.617 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 91 Resp: 116803

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

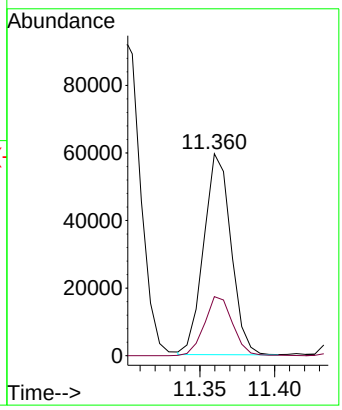




#79
2-Chlorotoluene
Concen: 19.682 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 91 Resp: 7559

Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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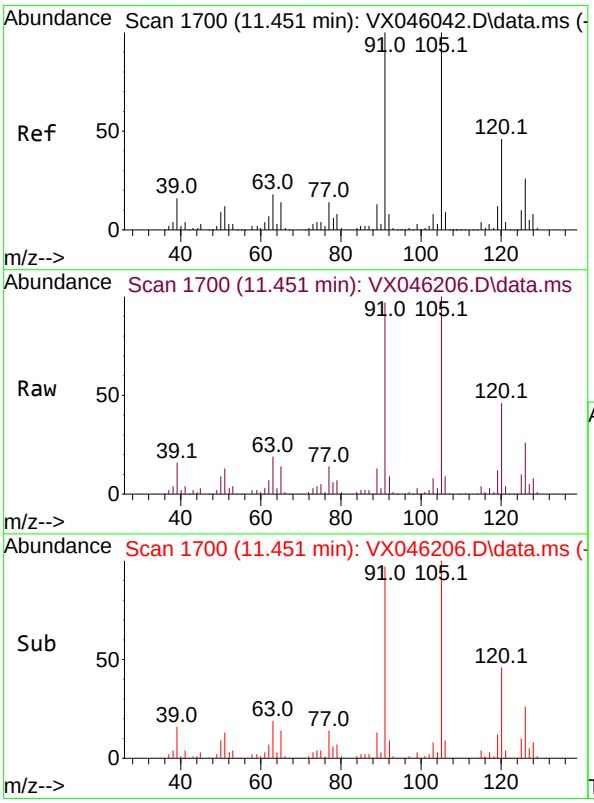
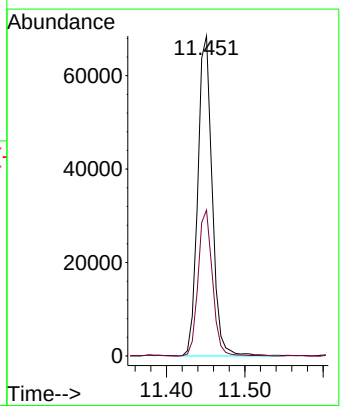
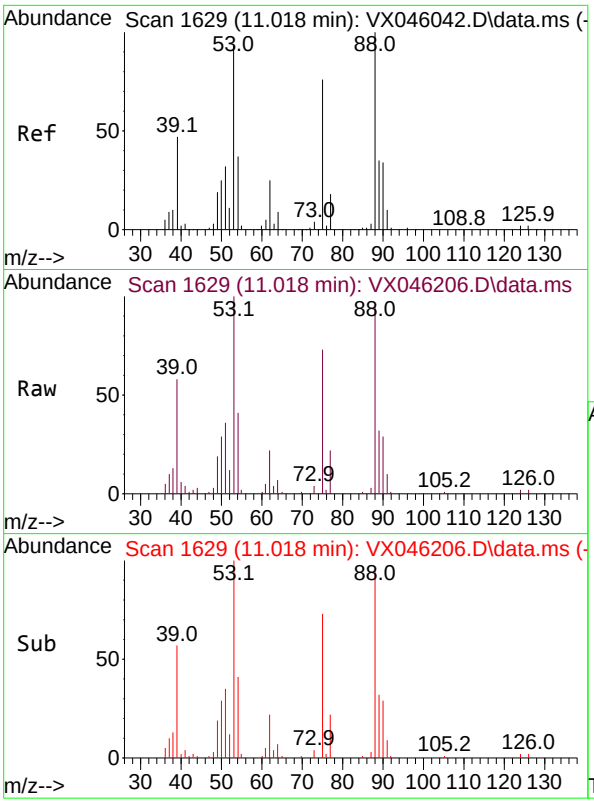


#80
1,3,5-Trimethylbenzene
Concen: 20.403 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:105 Resp: 87288

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 17.096 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 831

Ion	Ratio	Lower	Upper
75	100		
53	139.8	100.5	150.7
89	43.7	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
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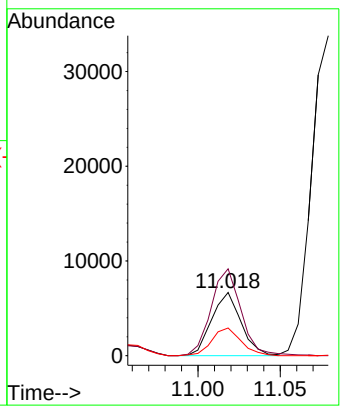
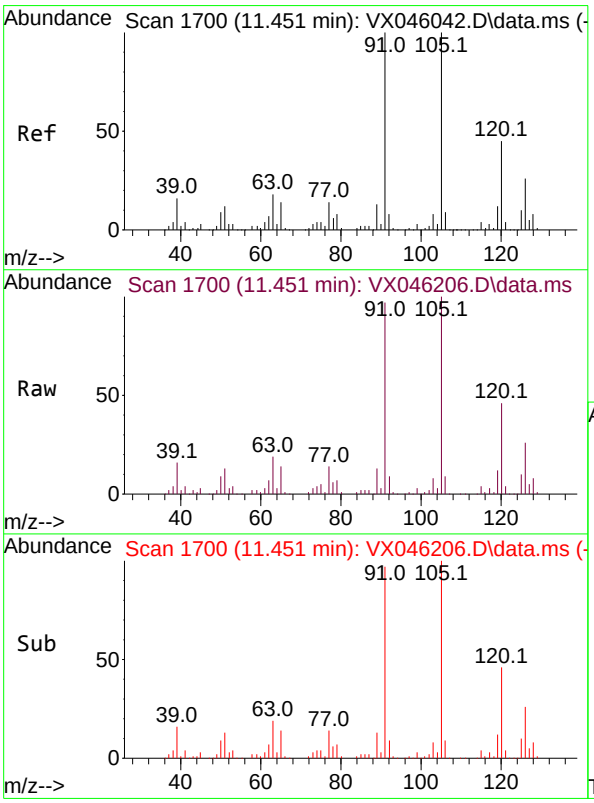
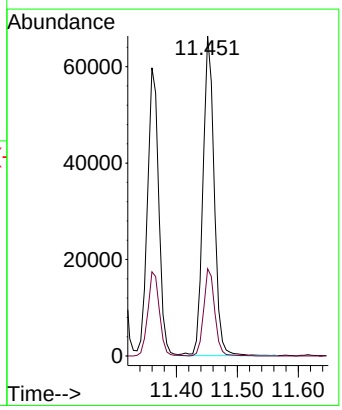


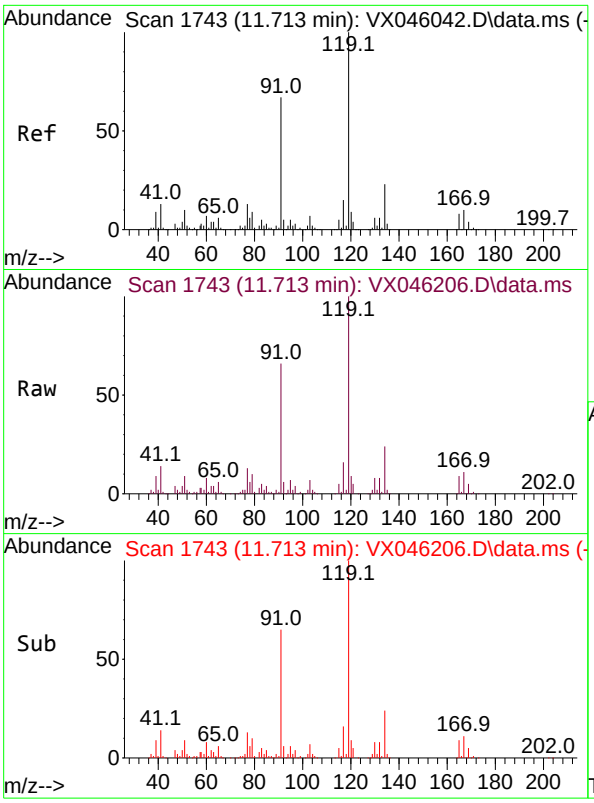


#82
4-Chlorotoluene
Concen: 20.011 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 91 Resp: 85228

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.8





#83
tert-Butylbenzene
Concen: 19.661 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:119 Resp: 8472

Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.9	98.7
134	23.4	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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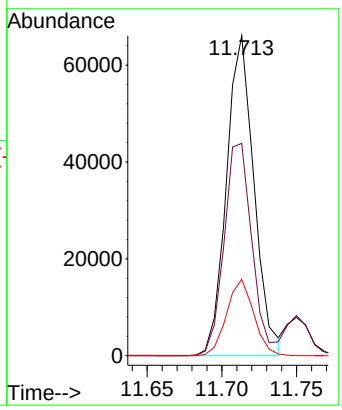
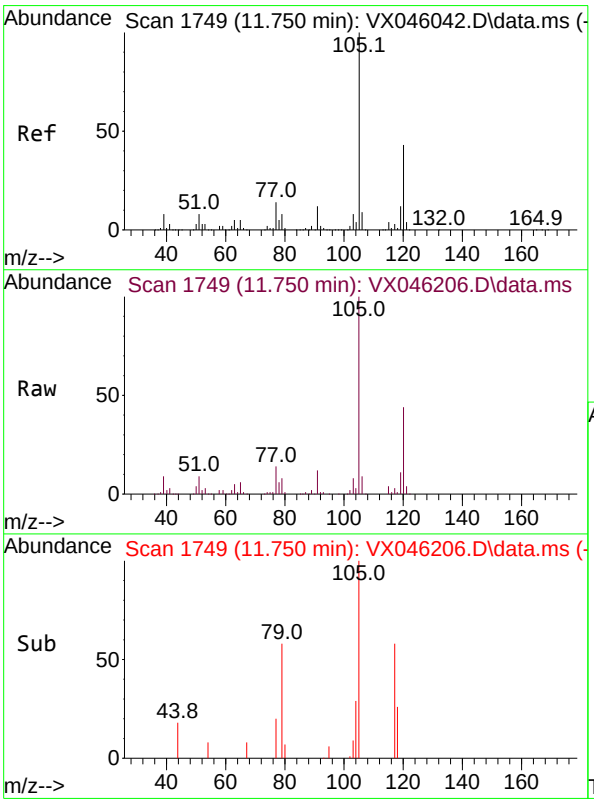
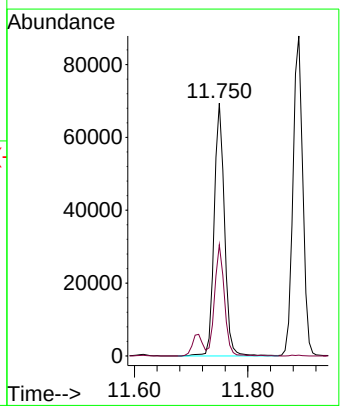


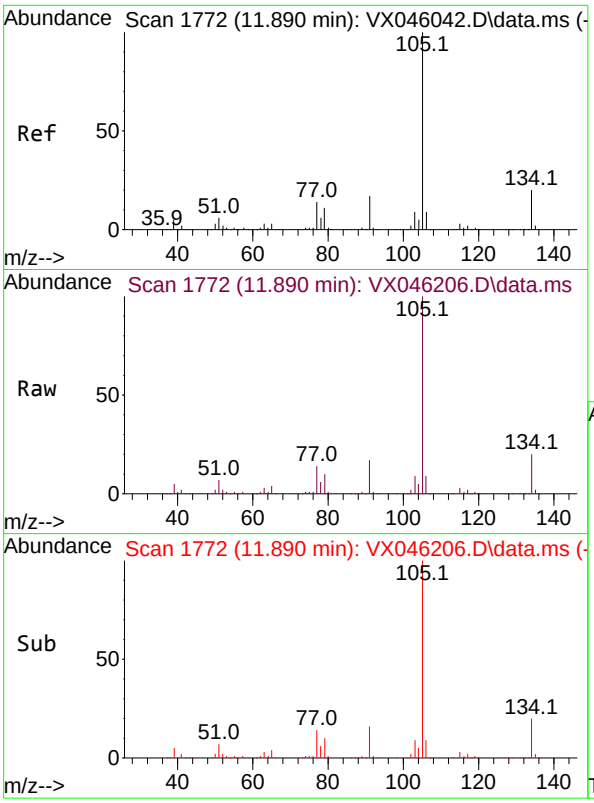


#84
1,2,4-Trimethylbenzene
Concen: 20.209 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:105 Resp: 87556

Ion	Ratio	Lower	Upper
105	100		
120	41.4	21.2	63.6





#85
sec-Butylbenzene
Concen: 19.818 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:105 Resp: 10485

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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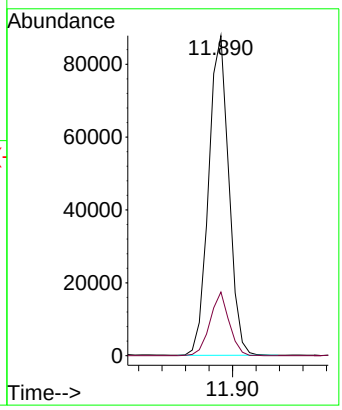
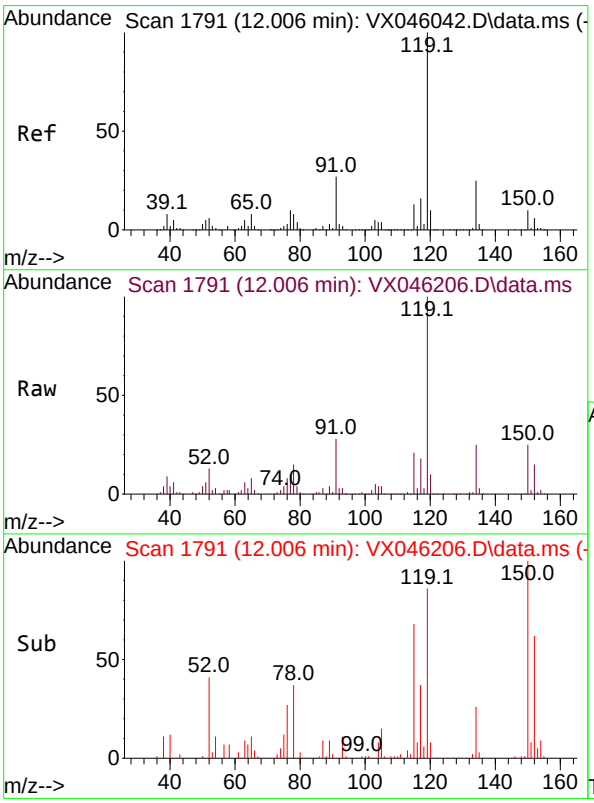
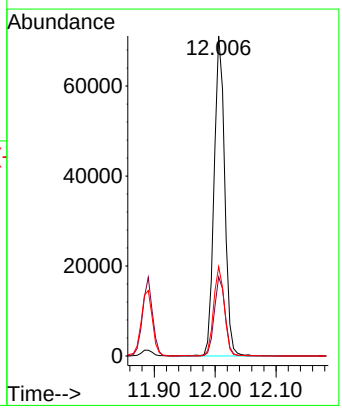


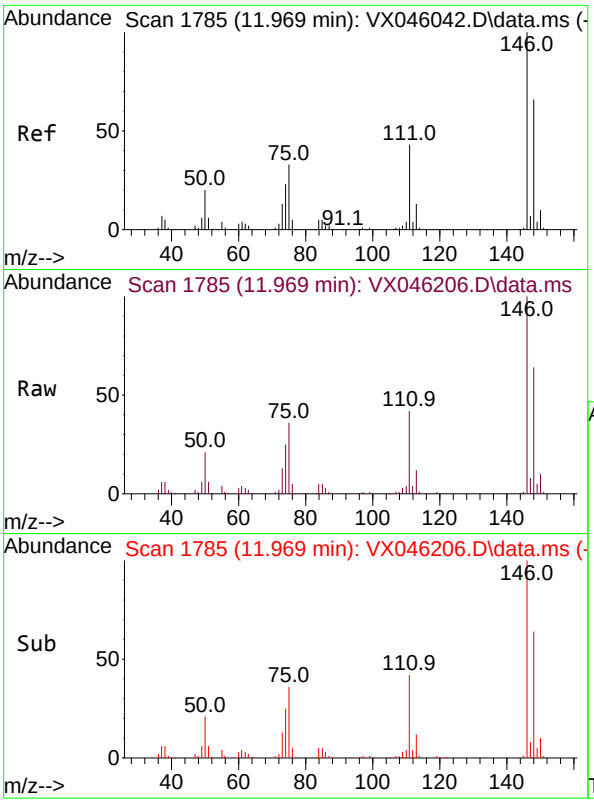


#86
p-Isopropyltoluene
Concen: 19.647 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:119 Resp: 85808

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	28.3	13.8	41.4

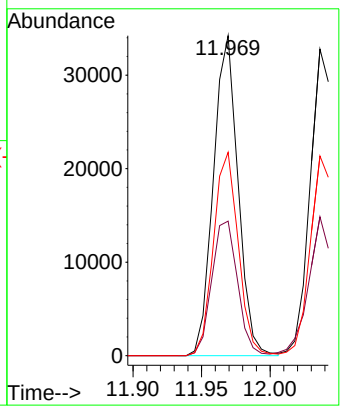




#87
1,3-Dichlorobenzene
Concen: 19.714 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:146 Resp: 4277

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	64.0	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

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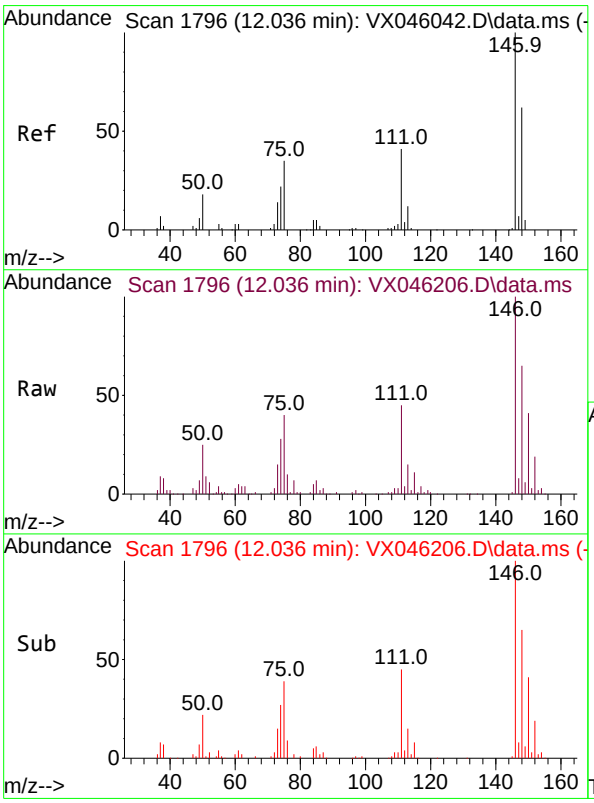
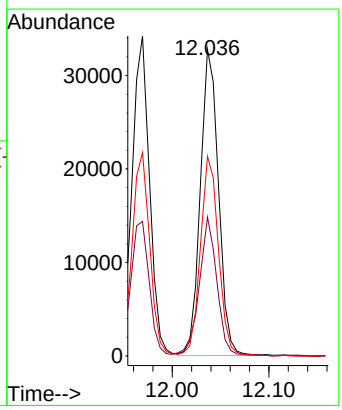
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

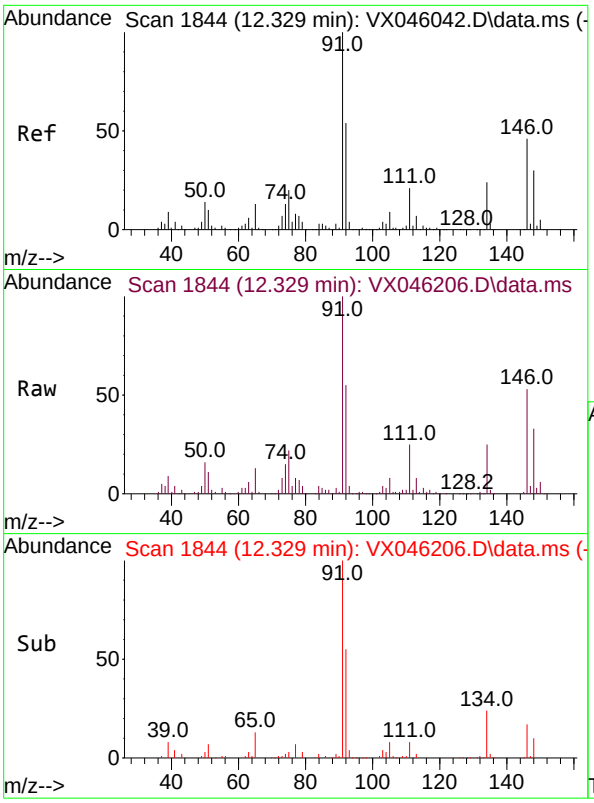


#88
1,4-Dichlorobenzene
Concen: 19.324 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:146 Resp: 42819

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.3	63.9
148	65.0	31.9	95.5

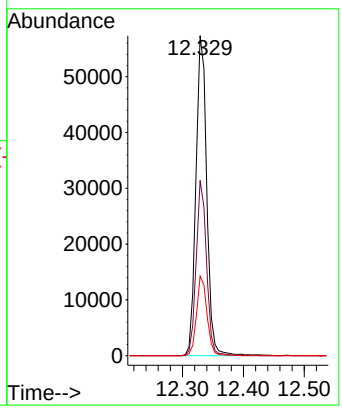




#89
n-Butylbenzene
Concen: 18.472 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 91 Resp: 7076

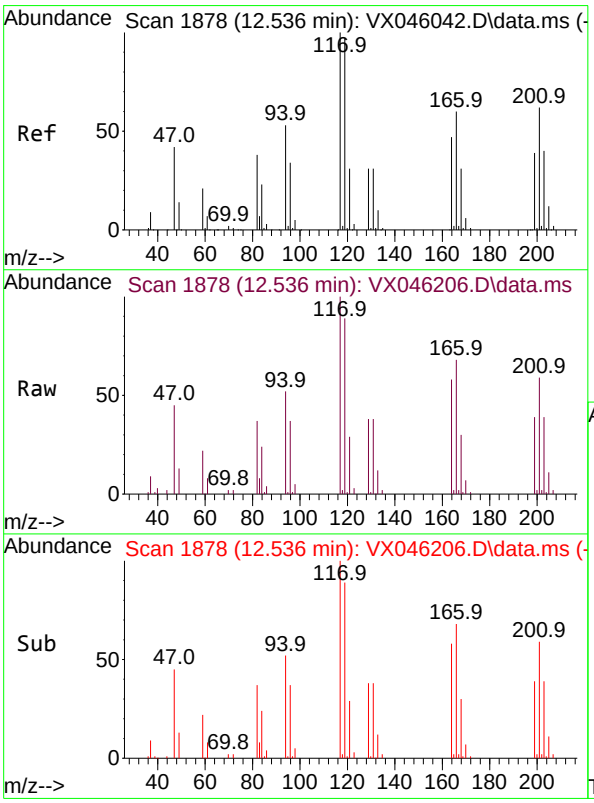
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.9	80.7
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
APPROVED

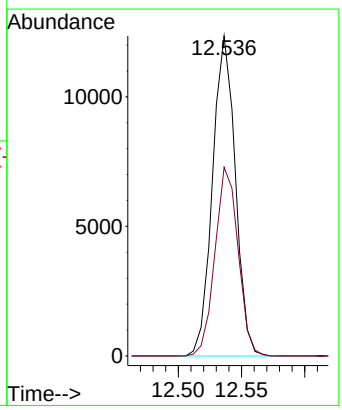
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

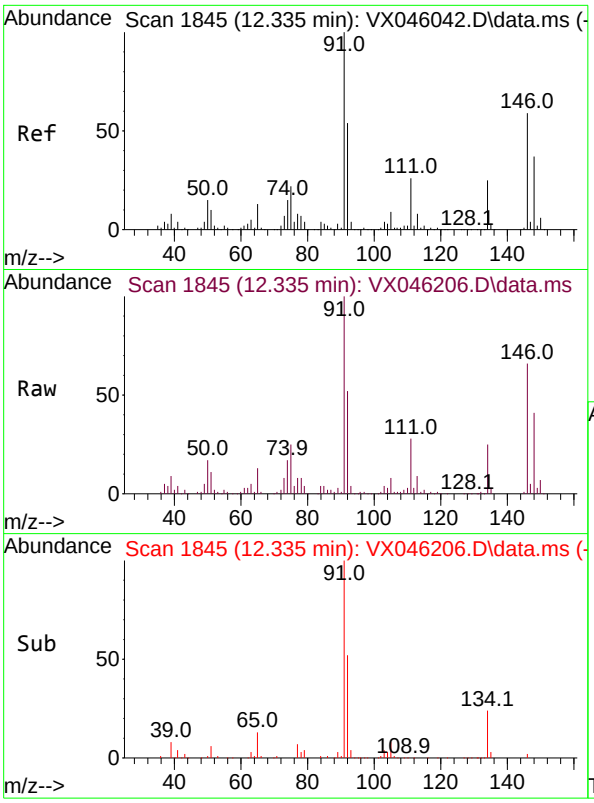


#90
Hexachloroethane
Concen: 20.109 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:117 Resp: 15473

Ion	Ratio	Lower	Upper
117	100		
201	59.8	31.6	94.7

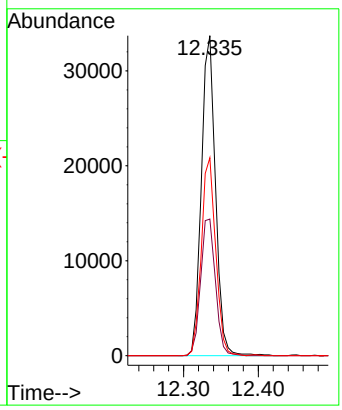




#91
1,2-Dichlorobenzene
Concen: 20.293 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:146 Resp: 4418

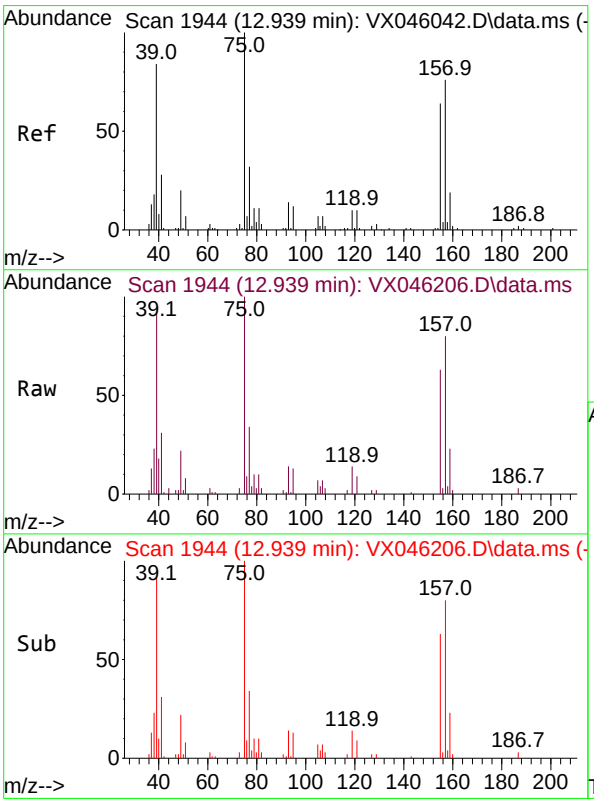
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.3
148	63.0	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
APPROVED

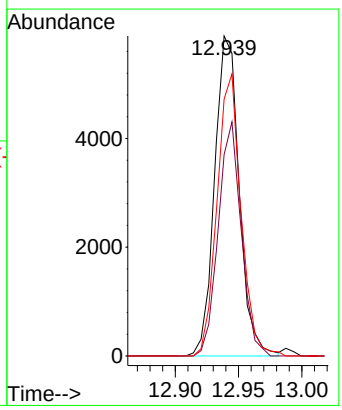
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

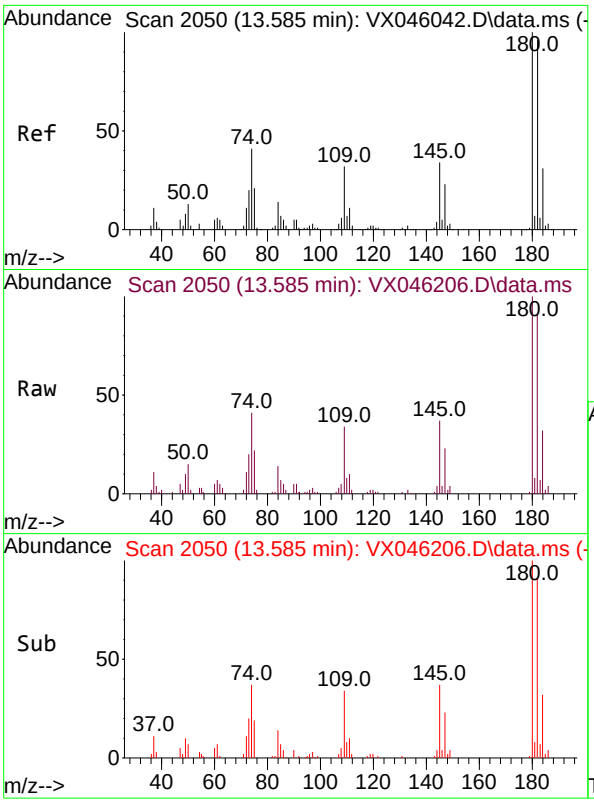


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.934 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 7925

Ion	Ratio	Lower	Upper
75	100		
155	68.3	34.9	104.8
157	85.9	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 17.863 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

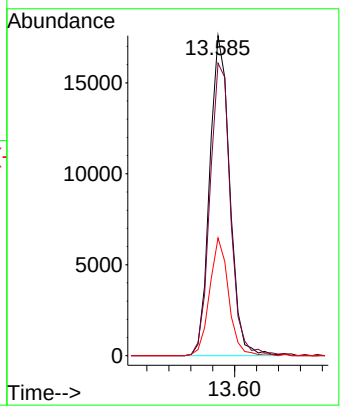
Tgt Ion:180 Resp: 2233

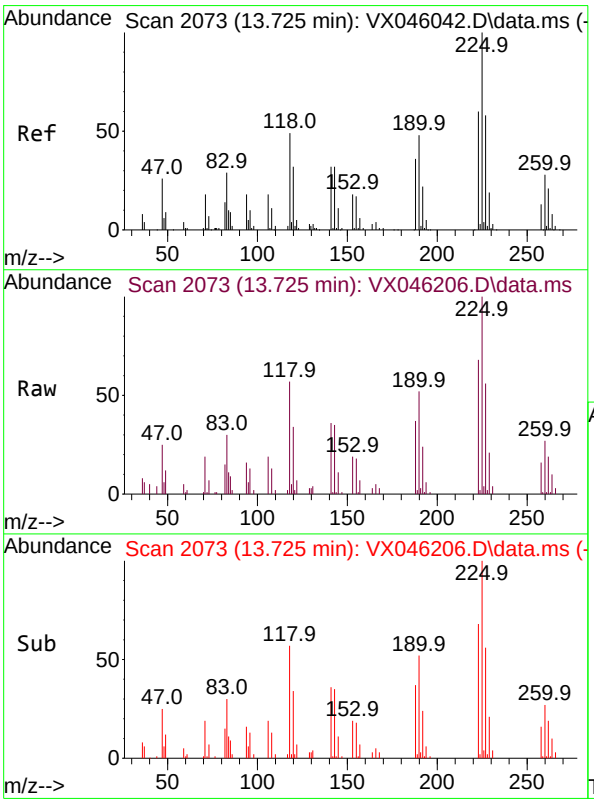
Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.8
145	35.1	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

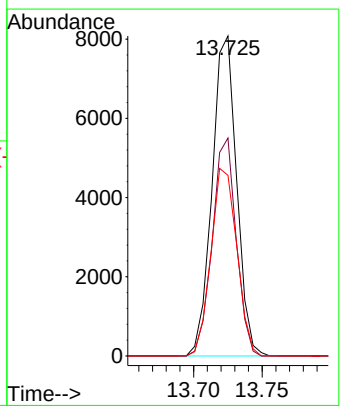


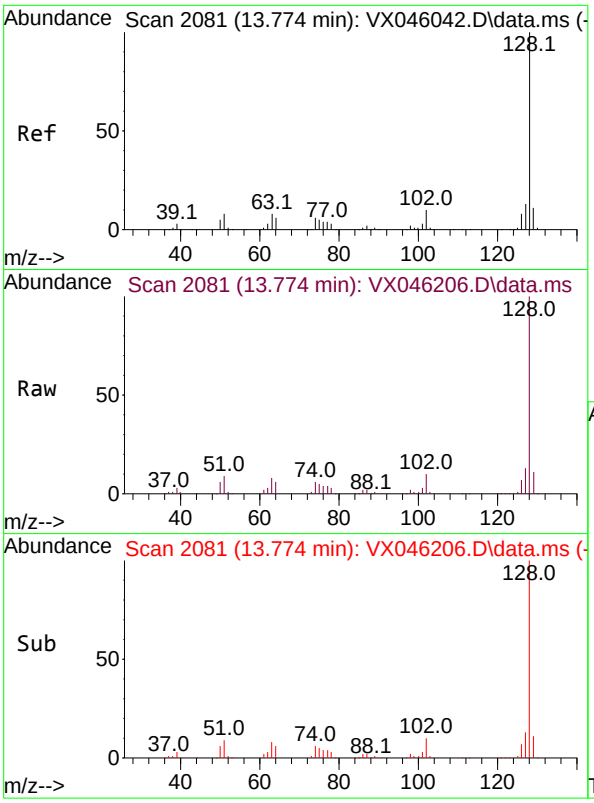


#94
Hexachlorobutadiene
Concen: 18.428 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:225 Resp: 10065

Ion	Ratio	Lower	Upper
225	100		
223	66.1	30.8	92.4
227	61.8	30.9	92.7

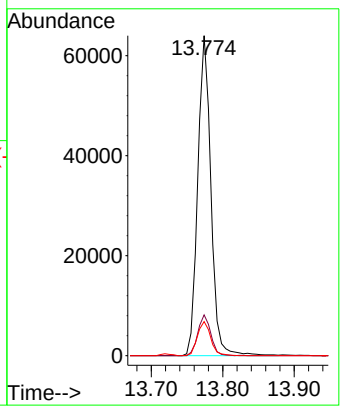




#95
Naphthalene
Concen: 17.822 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:128 Resp: 8174

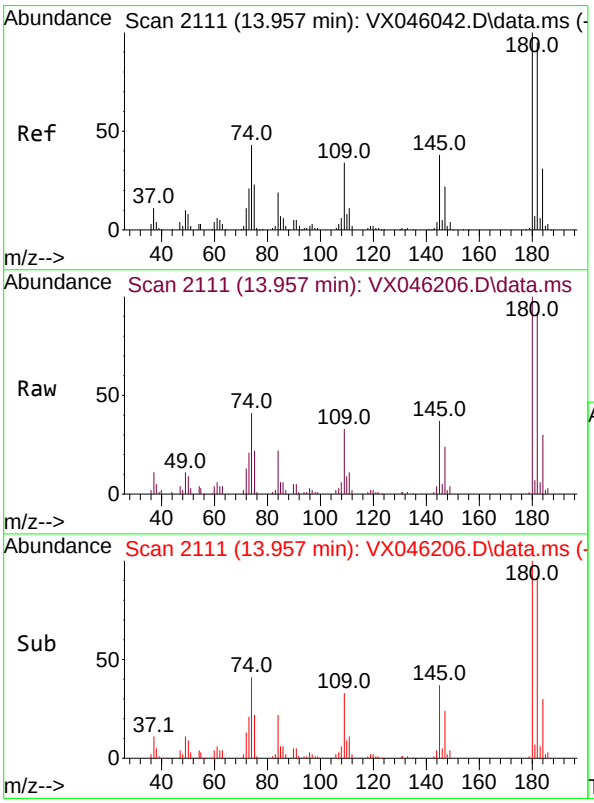
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
APPROVED

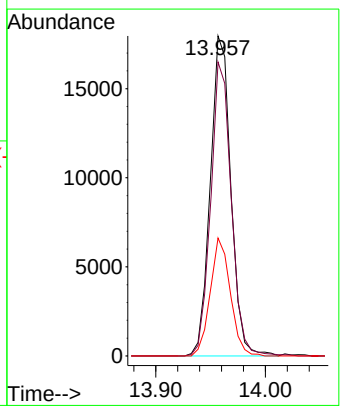
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.157 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:180 Resp: 23429

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.8	143.3
145	36.0	18.1	54.3



Raw Data: **VX046207.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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0515WBSD01	SDG No.:	Q2050
Lab Sample ID:	VX0515WBSD01	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
VX046207.D	1		05/15/25 12:38	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	19.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		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	16.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.1		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	20.6		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.3		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		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	20.1		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L

Raw Data: **VX046207.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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0515WBSD01	SDG No.:	Q2050
Lab Sample ID:	VX0515WBSD01	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
VX046207.D	1		05/15/25 12:38	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.7		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		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	49.4		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	86400	5.544				
540-36-3	1,4-Difluorobenzene	152000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	63400	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\VX051525\
Data File : VX046207.D
Acq On : 15 May 2025 12:38
Operator : JC/MD
Sample : VX0515WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 01:04:03 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

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	86433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79550	49.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.740%			
35) Dibromofluoromethane	5.379	113	53868	49.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.647	98	183312	48.467	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.940%			
62) 4-Bromofluorobenzene	11.079	95	69470	47.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25515	19.287	ug/l	99
3) Chloromethane	1.307	50	24762	19.302	ug/l	100
4) Vinyl Chloride	1.374	62	21681	18.159	ug/l	95
5) Bromomethane	1.593	94	9877	17.835	ug/l	98
6) Chloroethane	1.672	64	12627	19.810	ug/l	97
7) Trichlorofluoromethane	1.880	101	34989	19.828	ug/l	100
8) Diethyl Ether	2.130	74	11888	19.790	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	21036	19.263	ug/l	99
10) Methyl Iodide	2.447	142	22364	17.308	ug/l	98
11) Tert butyl alcohol	2.971	59	24024	106.212	ug/l	99
12) 1,1-Dichloroethene	2.312	96	18359	17.913	ug/l	97
13) Acrolein	2.233	56	27271	105.868	ug/l	100
14) Allyl chloride	2.654	41	38911	19.865	ug/l	96
15) Acrylonitrile	3.062	53	69412	107.320	ug/l	99
16) Acetone	2.379	43	67256	104.097	ug/l	99
17) Carbon Disulfide	2.501	76	39144	16.110	ug/l	97
18) Methyl Acetate	2.703	43	35757	23.850	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72291	20.119	ug/l	98
20) Methylene Chloride	2.782	84	23134	18.685	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19577	18.994	ug/l	98
22) Diisopropyl ether	3.763	45	77299	20.430	ug/l	92
23) Vinyl Acetate	3.721	43	336307	101.060	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42141	19.997	ug/l	99
25) 2-Butanone	4.556	43	100211	106.836	ug/l	98
26) 2,2-Dichloropropane	4.464	77	29004	17.584	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24006	19.348	ug/l	97
28) Bromochloromethane	4.891	49	22927	22.602	ug/l	95
29) Tetrahydrofuran	5.001	42	62587	106.483	ug/l	99
30) Chloroform	5.080	83	45302	20.624	ug/l	98
31) Cyclohexane	5.464	56	35976	18.734	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	37721	19.811	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27762	18.908	ug/l	98
37) Ethyl Acetate	4.721	43	35167	19.386	ug/l	99
38) Carbon Tetrachloride	5.665	117	31661	19.192	ug/l	99
39) Methylcyclohexane	7.379	83	33833	17.899	ug/l	96
40) Benzene	6.031	78	84839	19.727	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046207.D
Acq On : 15 May 2025 12:38
Operator : JC/MD
Sample : VX0515WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 01:04:03 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

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	20735m	21.851	ug/l		
42) 1,2-Dichloroethane	6.080	62	38367	20.671	ug/l		99
43) Isopropyl Acetate	6.336	43	56698	20.488	ug/l		99
44) Trichloroethene	7.123	130	19429	18.771	ug/l		90
45) 1,2-Dichloropropane	7.427	63	22755	21.279	ug/l		96
46) Dibromomethane	7.580	93	17222	20.419	ug/l		99
47) Bromodichloromethane	7.818	83	33648	20.256	ug/l		97
48) Methyl methacrylate	7.689	41	29938	21.183	ug/l		98
49) 1,4-Dioxane	7.659	88	12002	447.250	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	200742	109.281	ug/l		99
52) Toluene	8.714	92	53123	20.145	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27797	18.826	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	32007	19.613	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	22311	21.457	ug/l		94
56) Ethyl methacrylate	9.116	69	34224	20.651	ug/l		98
57) 1,3-Dichloropropane	9.305	76	39056	20.915	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	79190	93.730	ug/l		99
59) 2-Hexanone	9.427	43	150679	110.872	ug/l		98
60) Dibromochloromethane	9.518	129	23664	20.723	ug/l		98
61) 1,2-Dibromoethane	9.604	107	22730	21.032	ug/l		100
64) Tetrachloroethene	9.268	164	18090	19.250	ug/l		95
65) Chlorobenzene	10.079	112	56584	19.464	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	19745	19.891	ug/l		98
67) Ethyl Benzene	10.189	91	101083	19.726	ug/l		99
68) m/p-Xylenes	10.299	106	74126	39.551	ug/l		97
69) o-Xylene	10.640	106	36605	20.034	ug/l		94
70) Styrene	10.652	104	61379	20.507	ug/l		99
71) Bromoform	10.799	173	14833	19.903	ug/l	#	99
73) Isopropylbenzene	10.957	105	99102	20.076	ug/l		99
74) N-amyl acetate	10.841	43	48533	19.897	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35644	20.605	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30553m	20.019	ug/l		
77) Bromobenzene	11.195	156	21783	19.007	ug/l		96
78) n-propylbenzene	11.299	91	111762	19.472	ug/l		100
79) 2-Chlorotoluene	11.360	91	71697	19.366	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83897	20.344	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8050	17.172	ug/l		90
82) 4-Chlorotoluene	11.451	91	80748	19.668	ug/l		98
83) tert-Butylbenzene	11.713	119	82463	19.851	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	84059	20.128	ug/l		99
85) sec-Butylbenzene	11.890	105	100420	19.689	ug/l		99
86) p-Isopropyltoluene	12.006	119	82720	19.648	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	40744	19.480	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	40250	18.843	ug/l		95
89) n-Butylbenzene	12.329	91	68030	18.422	ug/l		99
90) Hexachloroethane	12.536	117	14018	18.900	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	42944	20.461	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8016	20.917	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22965	19.050	ug/l		97
94) Hexachlorobutadiene	13.725	225	10394	19.742	ug/l		98
95) Naphthalene	13.774	128	85011	19.227	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	24043	19.329	ug/l		98

Sample Results: **VX046207.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046207.D
Acq On : 15 May 2025 12:38
Operator : JC/MD
Sample : VX0515WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 01:04:03 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

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

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

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

Sample Results: **VX046207.D**

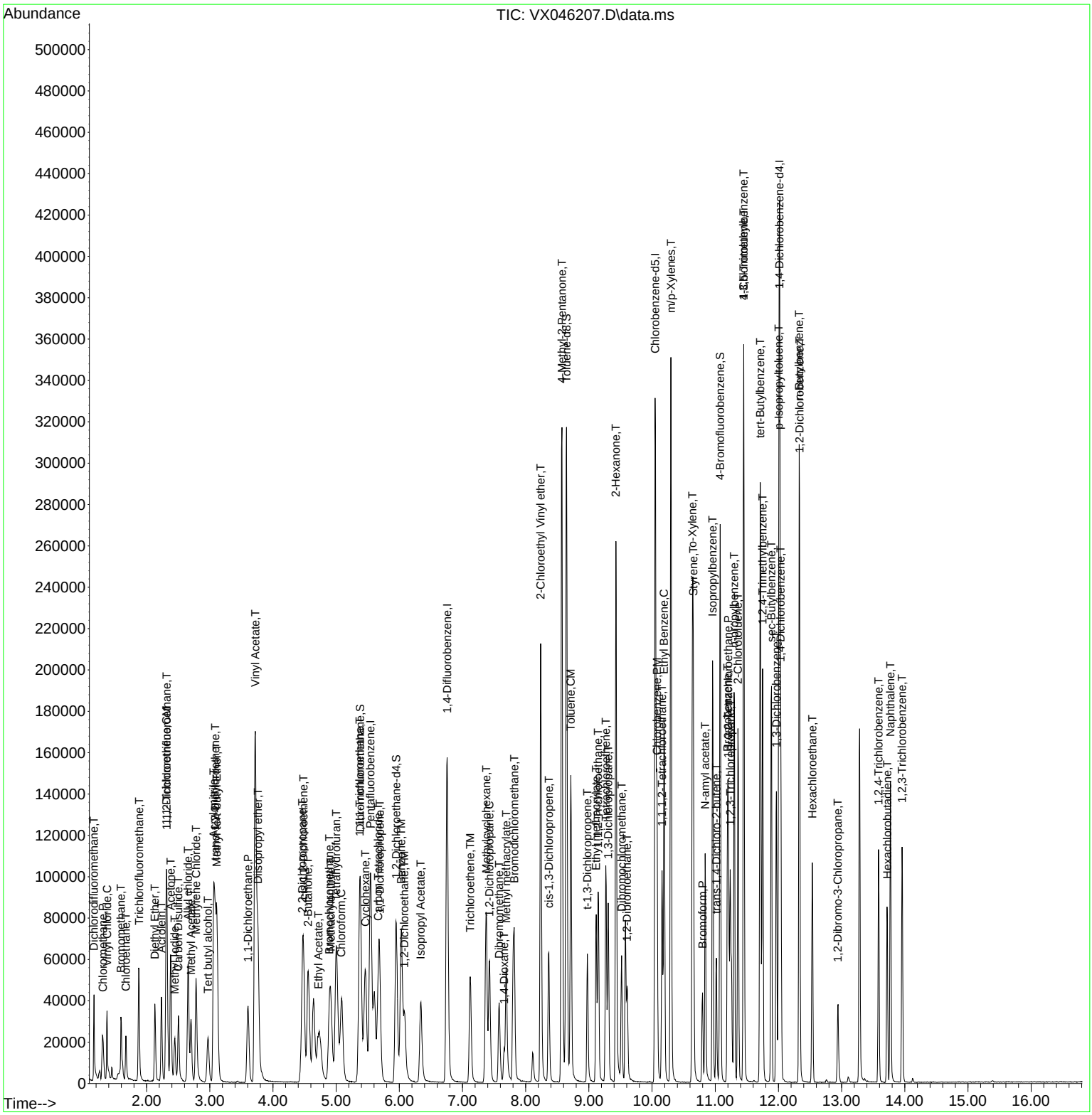
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046207.D
Acq On : 15 May 2025 12:38
Operator : JC/MD
Sample : VX0515WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

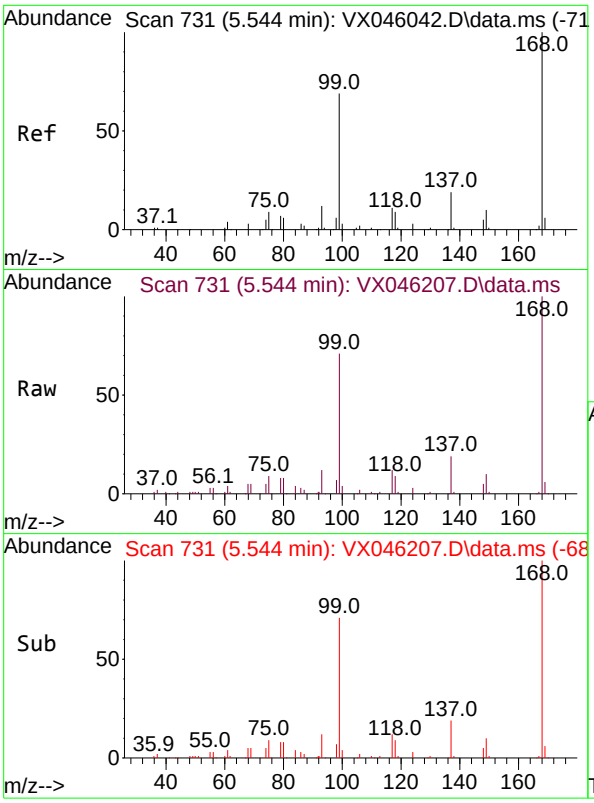
Quant Time: May 16 01:04:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

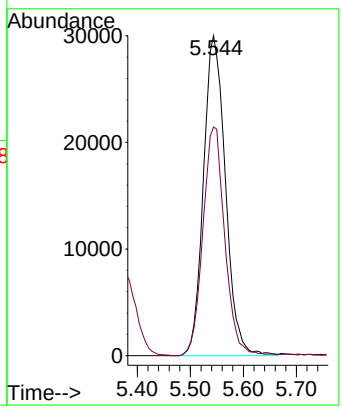




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:168 Resp: 8643

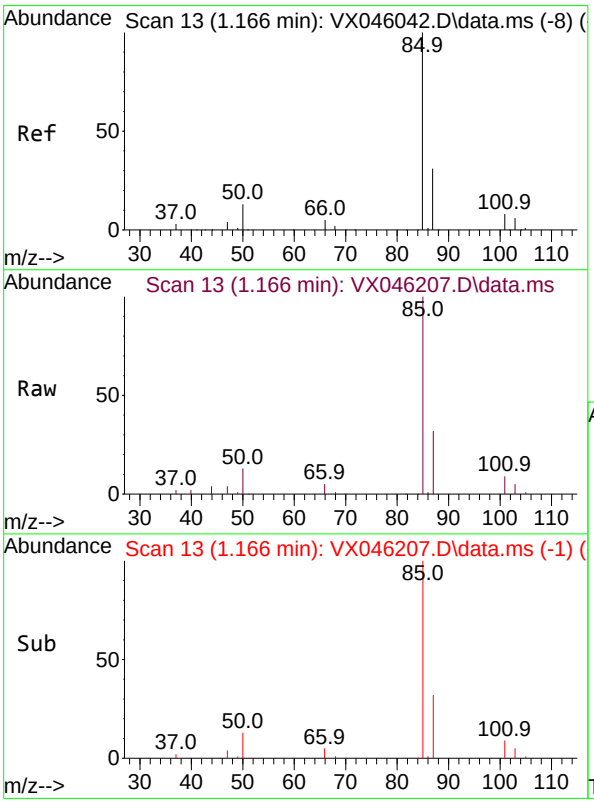
Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

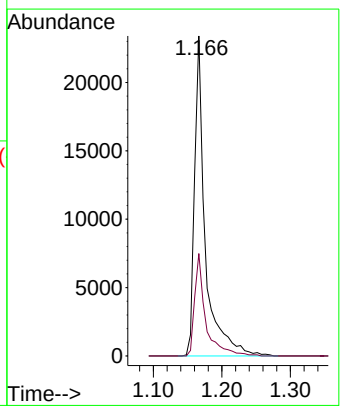
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

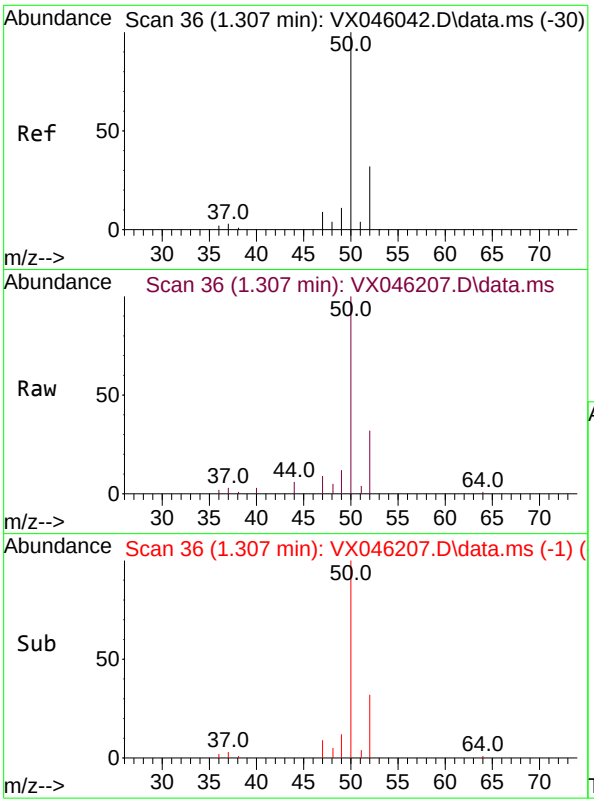


#2
Dichlorodifluoromethane
Concen: 19.287 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 85 Resp: 25515

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.1

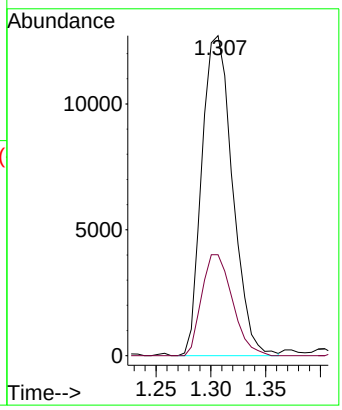




#3
Chloromethane
Concen: 19.302 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 50 Resp: 2476

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
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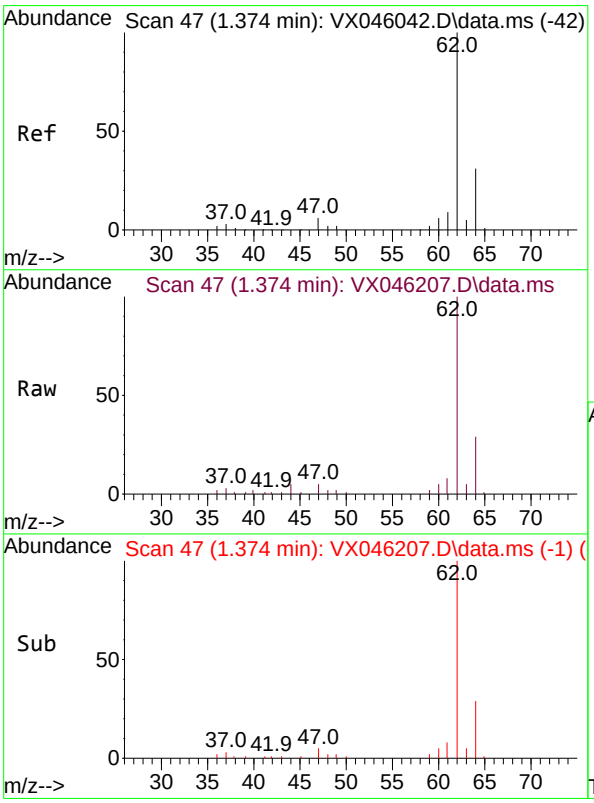
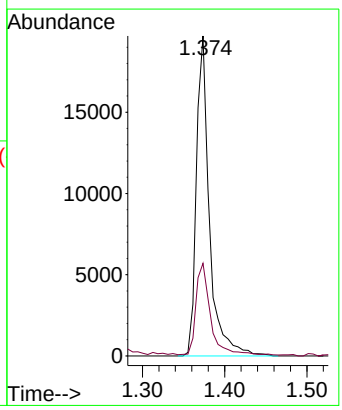
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

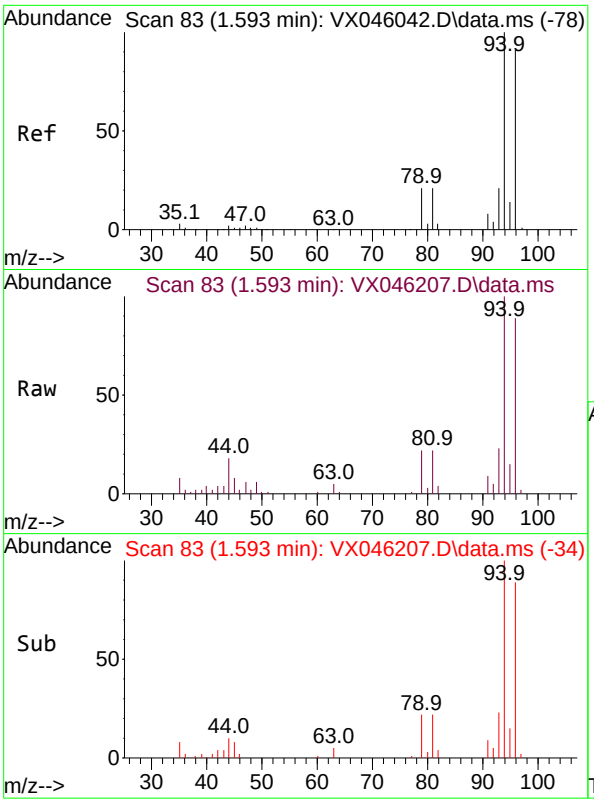


#4
Vinyl Chloride
Concen: 18.159 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 62 Resp: 21681

Ion	Ratio	Lower	Upper
62	100		
64	28.6	25.2	37.8





#5
Bromomethane
Concen: 17.835 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

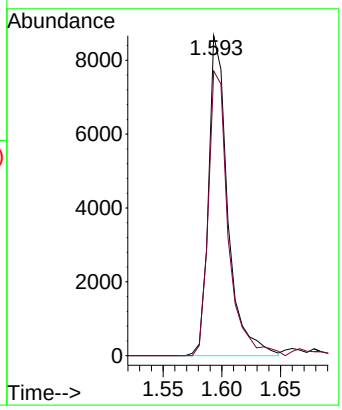
Tgt Ion: 94 Resp: 987

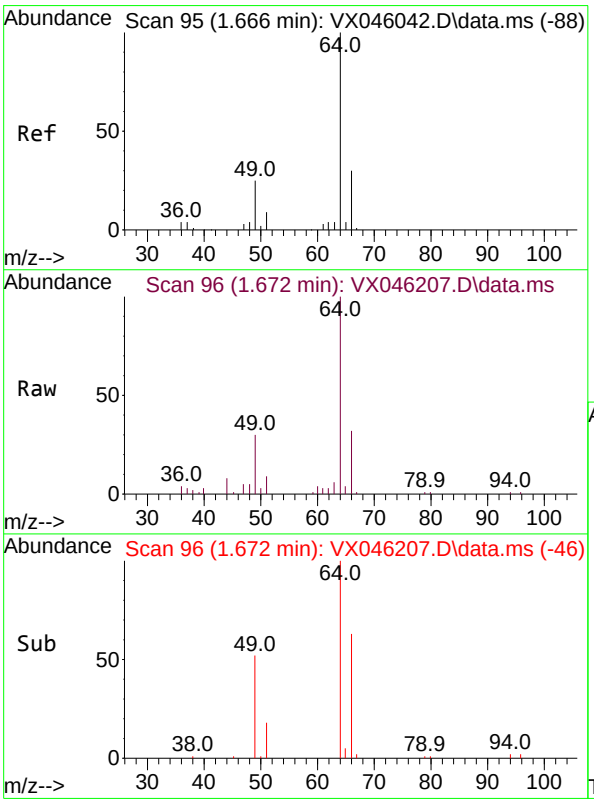
Ion	Ratio	Lower	Upper
94	100		
96	88.9	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

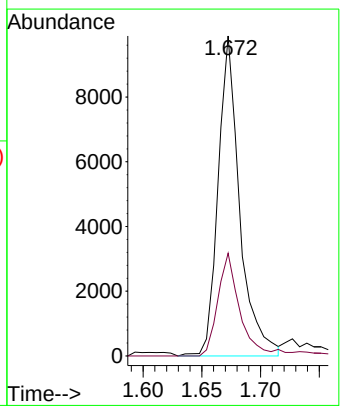


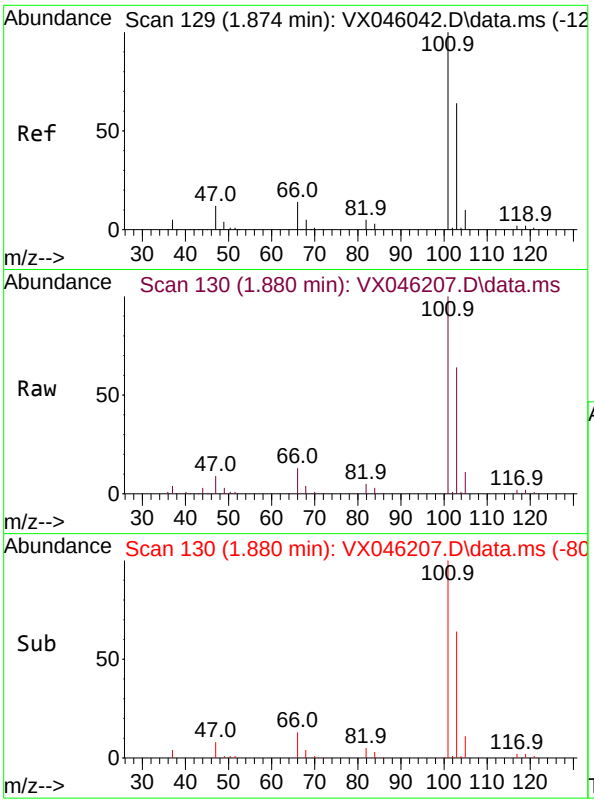


#6
Chloroethane
Concen: 19.810 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 64 Resp: 12627

Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.3	36.5

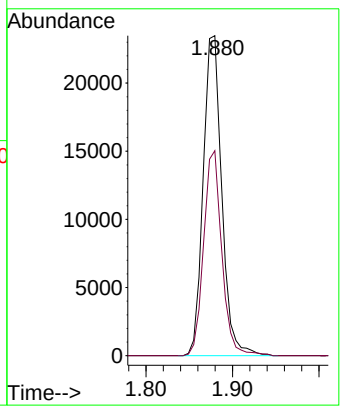




#7
Trichlorofluoromethane
Concen: 19.828 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:101 Resp: 3498

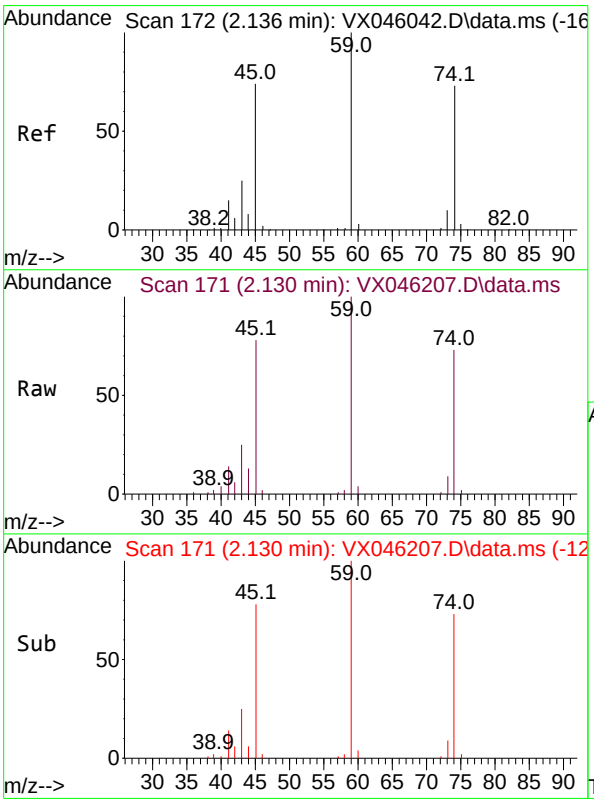
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

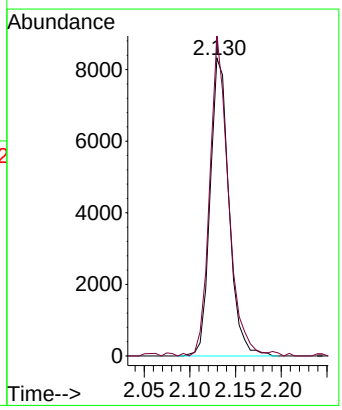
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

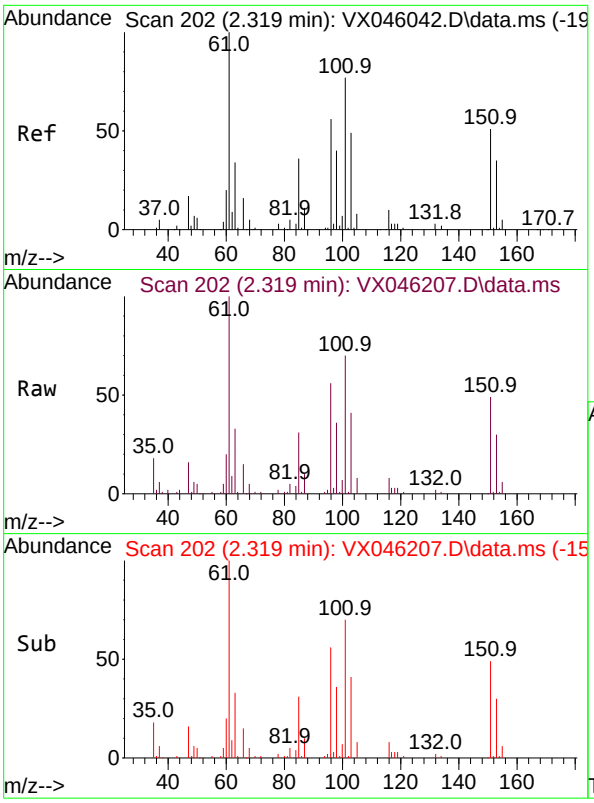


#8
Diethyl Ether
Concen: 19.790 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 74 Resp: 11888

Ion	Ratio	Lower	Upper
74	100		
45	108.1	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.263 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

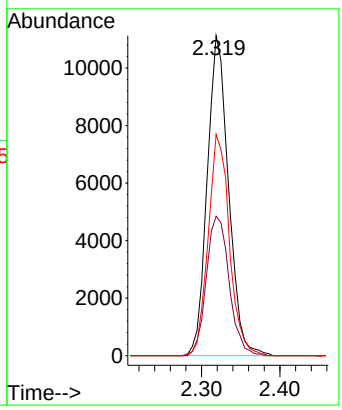
Tgt Ion:101 Resp: 2103(

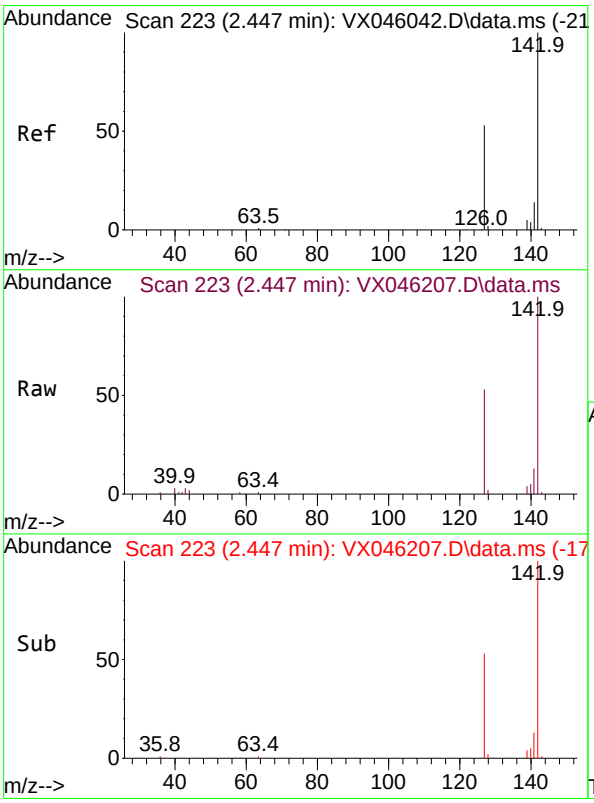
Ion	Ratio	Lower	Upper
101	100		
85	46.7	38.6	58.0
151	68.8	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

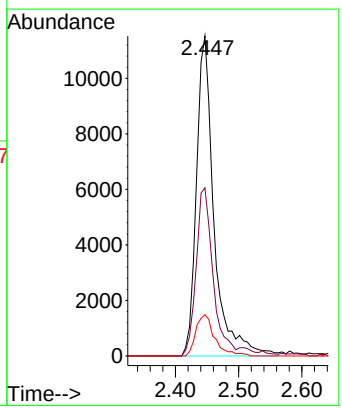


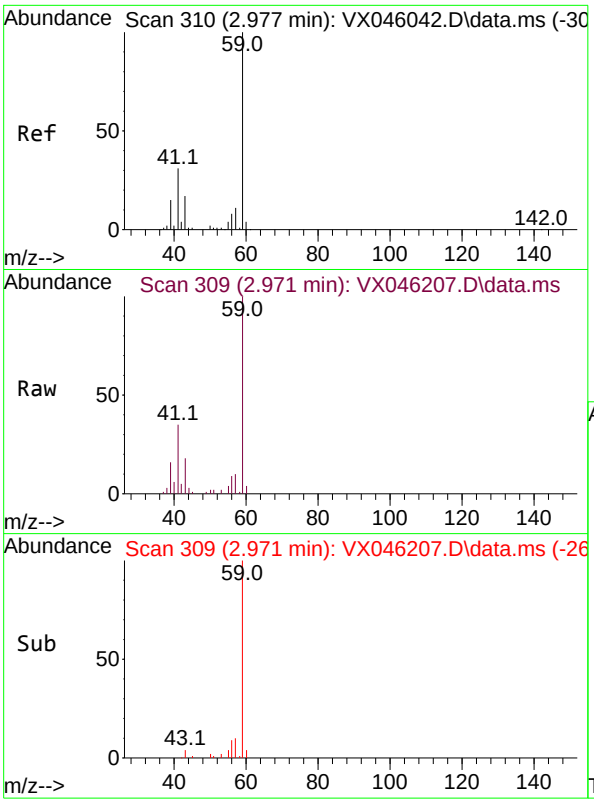


#10
Methyl Iodide
Concen: 17.308 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:142 Resp: 22364

Ion	Ratio	Lower	Upper
142	100		
127	53.2	41.7	62.5
141	13.8	11.5	17.3





#11
Tert butyl alcohol
Concen: 106.212 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 59 Resp: 2402

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
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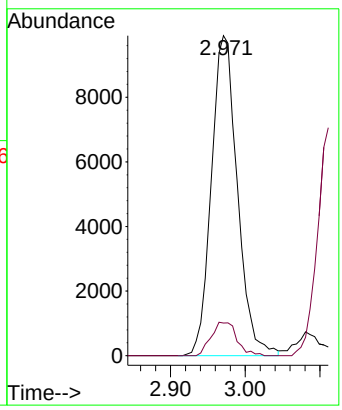
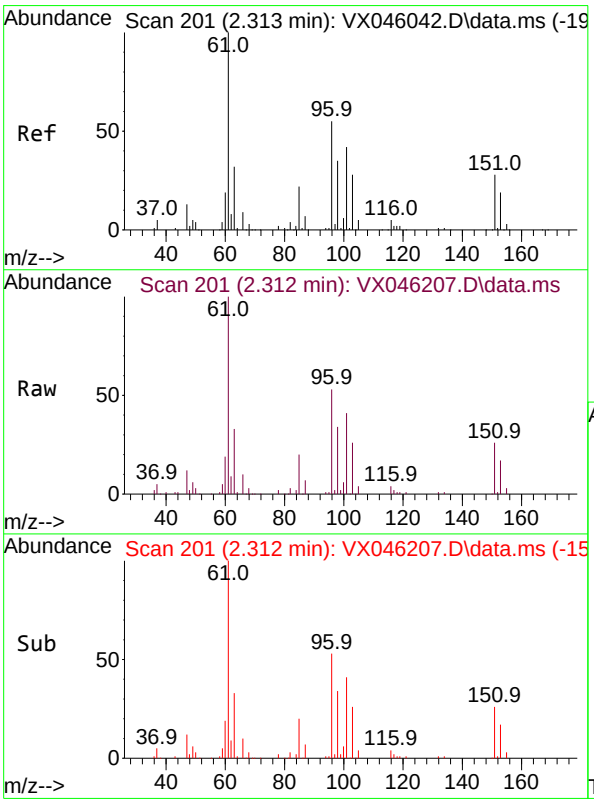
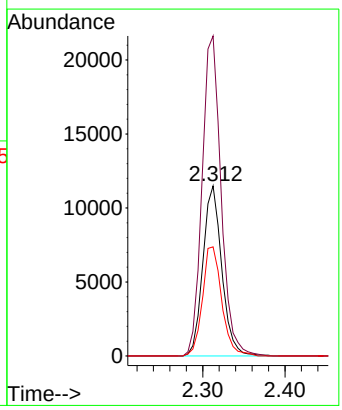


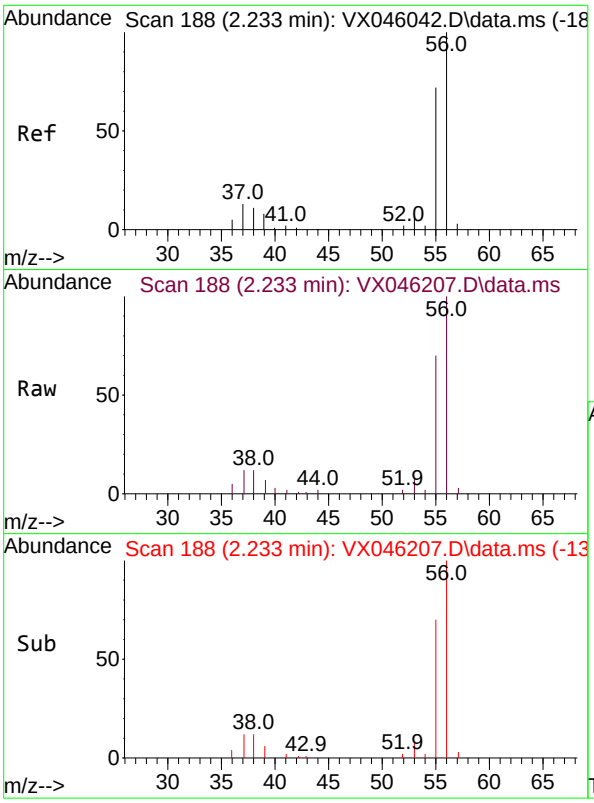


#12
1,1-Dichloroethene
Concen: 17.913 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 96 Resp: 18359

Ion	Ratio	Lower	Upper
96	100		
61	188.2	146.2	219.2
98	64.2	51.0	76.6

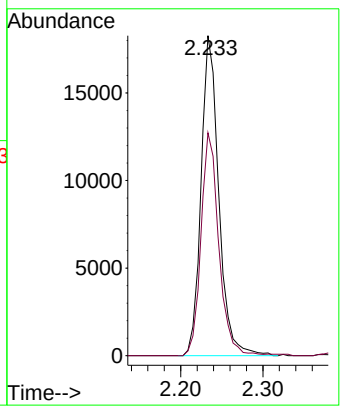




#13
Acrolein
Concen: 105.868 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 56 Resp: 2727

Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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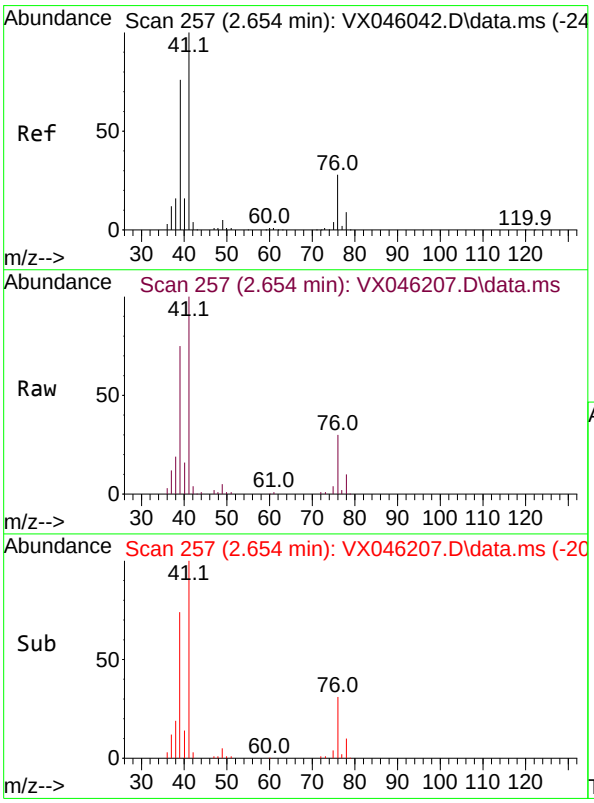
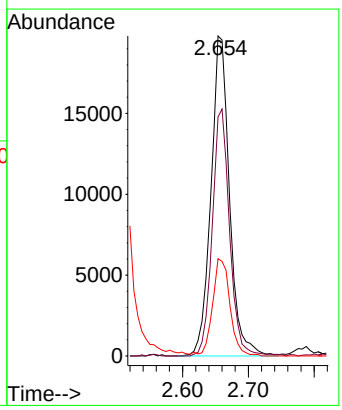
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

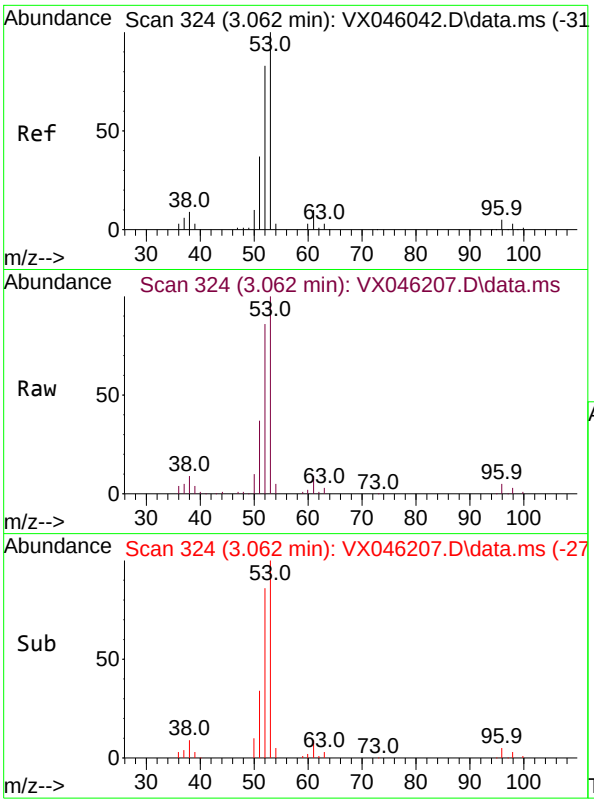


#14
Allyl chloride
Concen: 19.865 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 41 Resp: 38911

Ion	Ratio	Lower	Upper
41	100		
39	72.0	60.6	90.8
76	28.6	24.9	37.3





#15
Acrylonitrile
Concen: 107.320 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 53 Resp: 6941

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.3	97.9
51	37.8	29.8	44.8

Instrument :
MSVOA_X
ClientSampleId :
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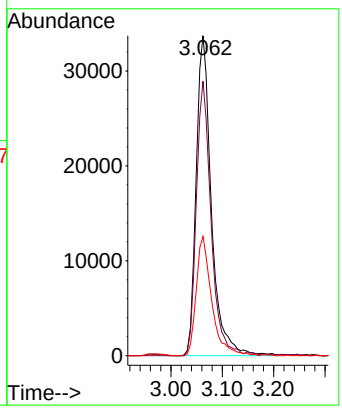
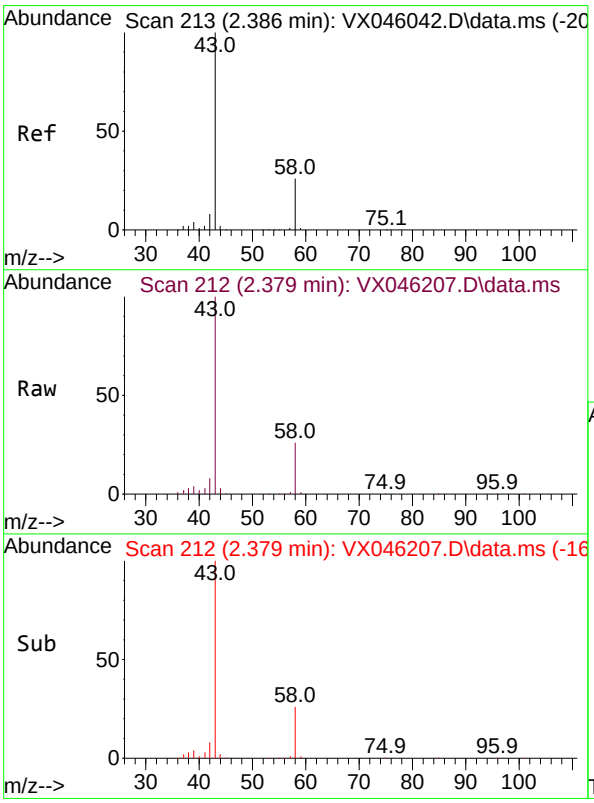
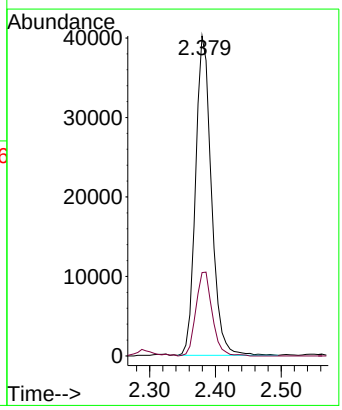


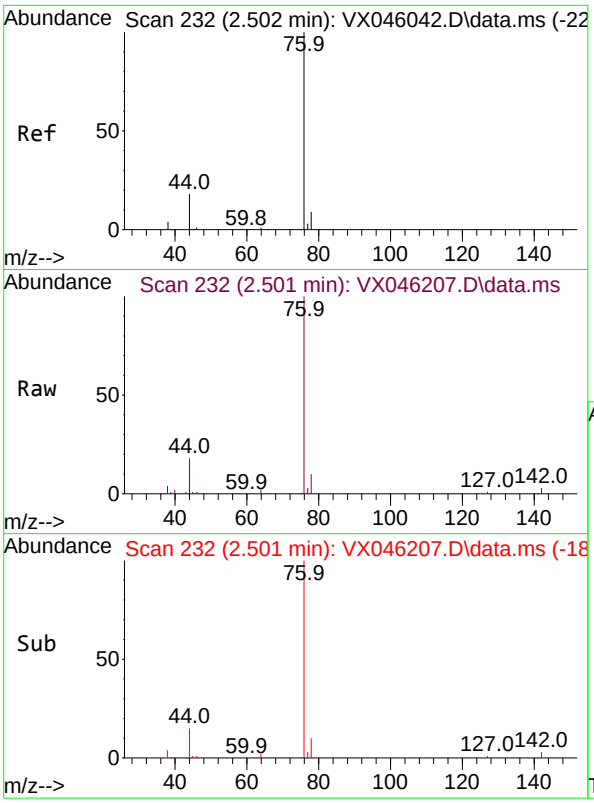


#16
Acetone
Concen: 104.097 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 67256

Ion	Ratio	Lower	Upper
43	100		
58	26.1	21.2	31.8





#17
Carbon Disulfide
Concen: 16.110 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 76 Resp: 3914

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
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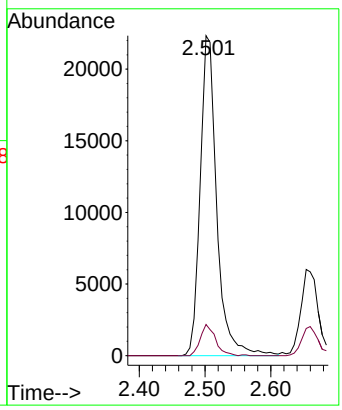
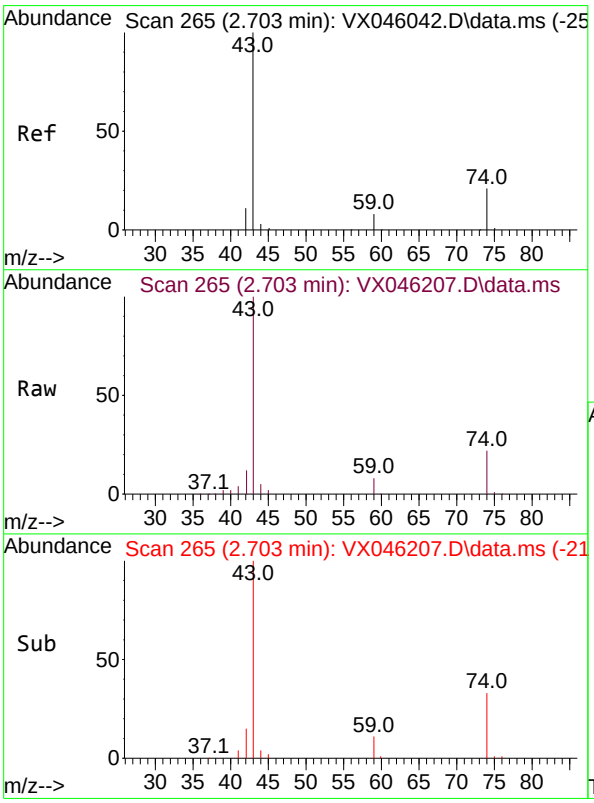
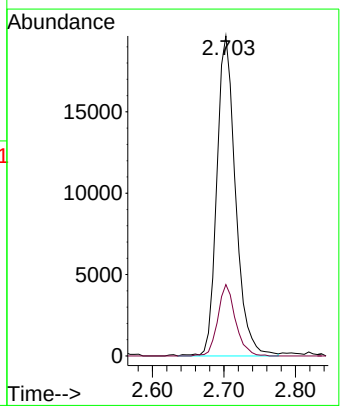


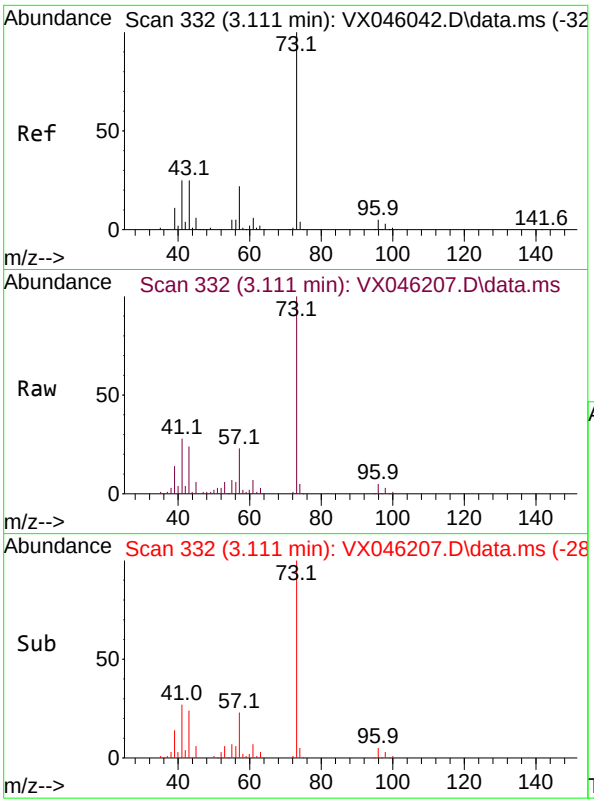


#18
Methyl Acetate
Concen: 23.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 35757

Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 20.119 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 73 Resp: 7229

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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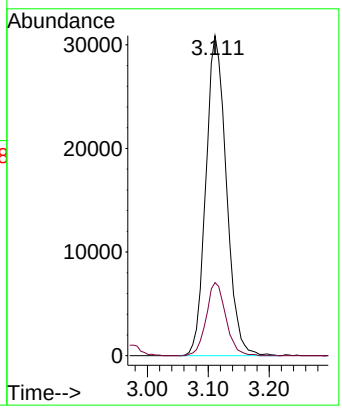
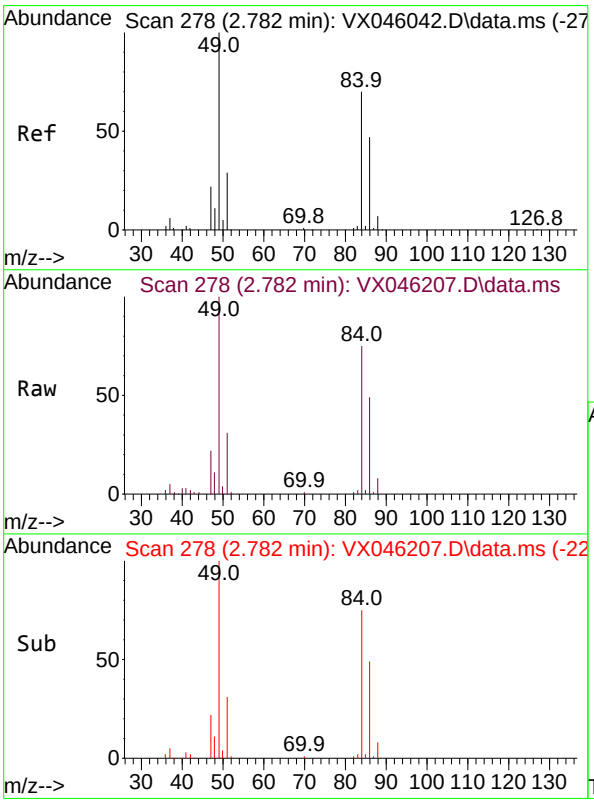
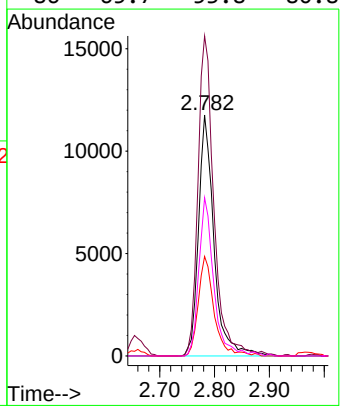


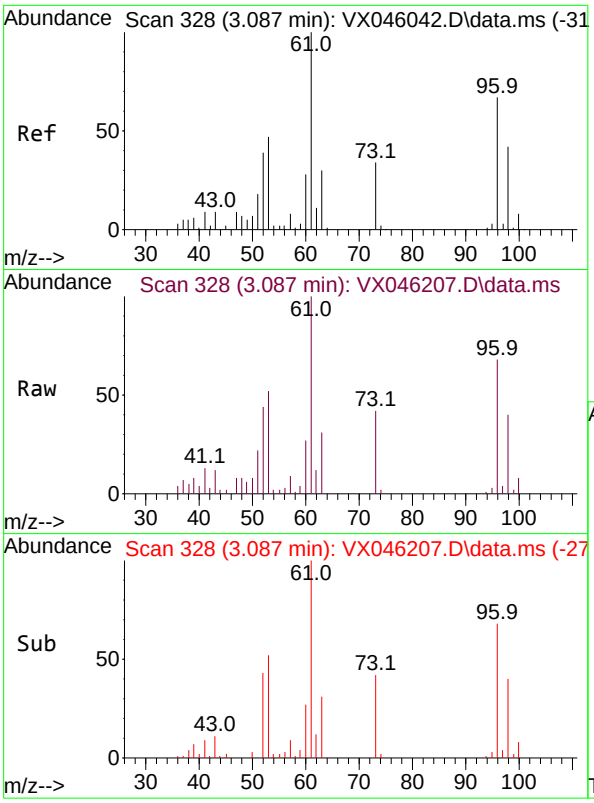


#20
Methylene Chloride
Concen: 18.685 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 84 Resp: 23134

Ion	Ratio	Lower	Upper
84	100		
49	132.8	113.9	170.9
51	41.3	33.5	50.3
86	65.7	53.8	80.8

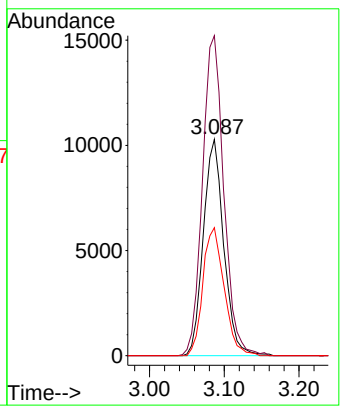




#21
trans-1,2-Dichloroethene
Concen: 18.994 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 96 Resp: 1957

Ion	Ratio	Lower	Upper
96	100		
61	147.9	119.5	179.3
98	59.2	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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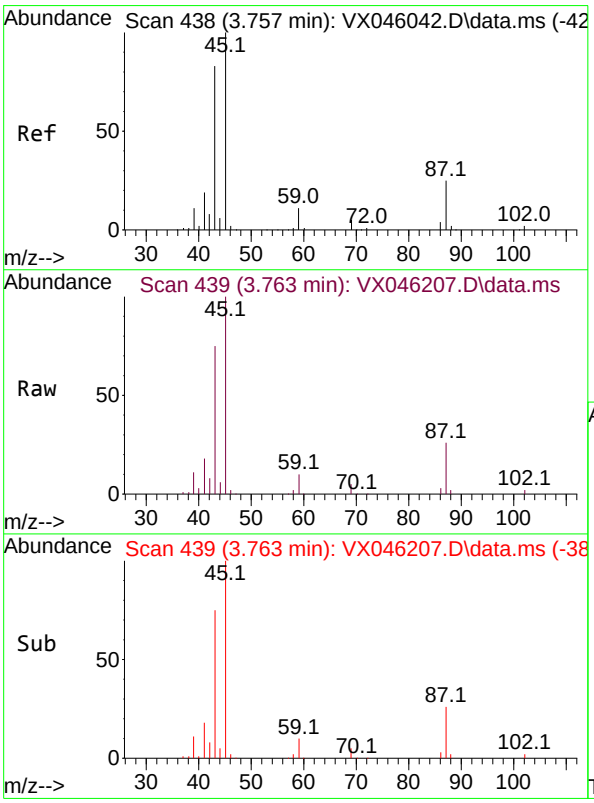
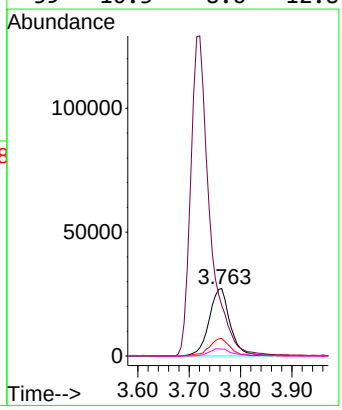
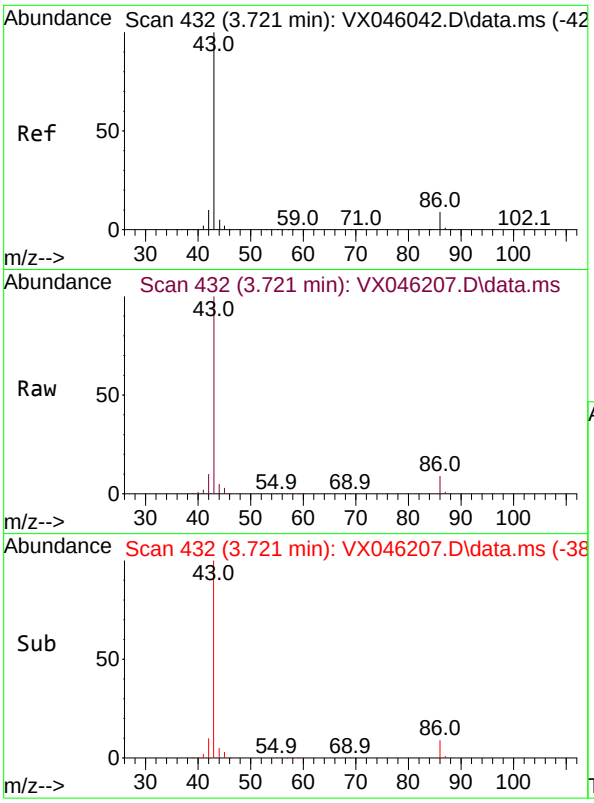


#22
Diisopropyl ether
Concen: 20.430 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 45 Resp: 77299

Ion	Ratio	Lower	Upper
45	100		
43	73.4	66.6	100.0
87	25.8	19.8	29.6
59	10.3	8.6	12.8





#23
Vinyl Acetate
Concen: 101.060 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 33630

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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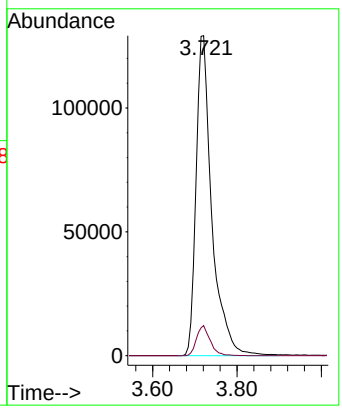
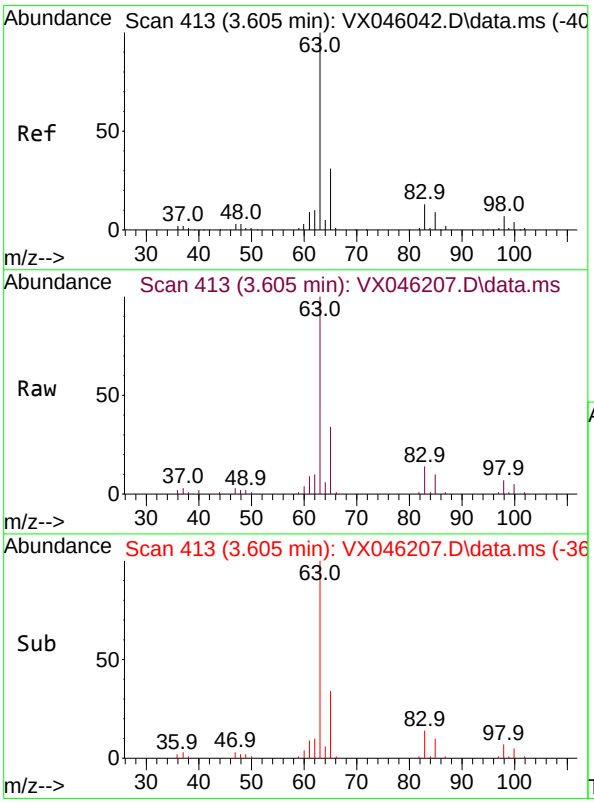
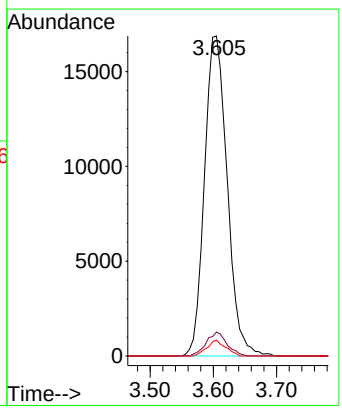


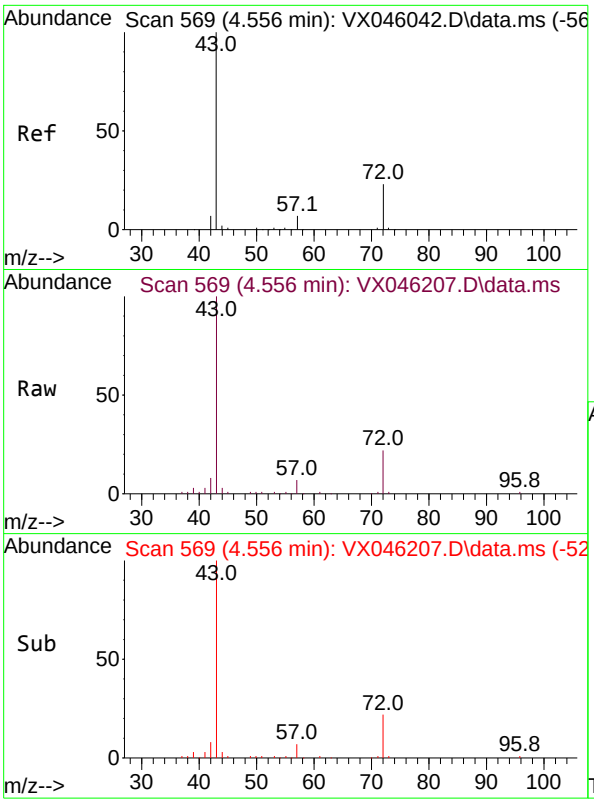


#24
1,1-Dichloroethane
Concen: 19.997 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 63 Resp: 42141

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	4.9	2.1	6.3





#25
2-Butanone
Concen: 106.836 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 10021

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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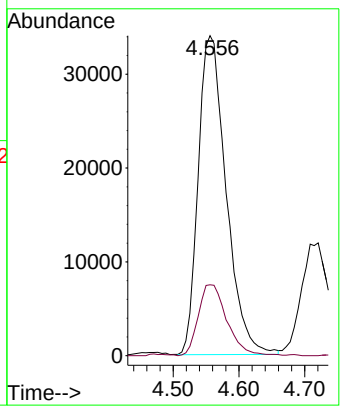
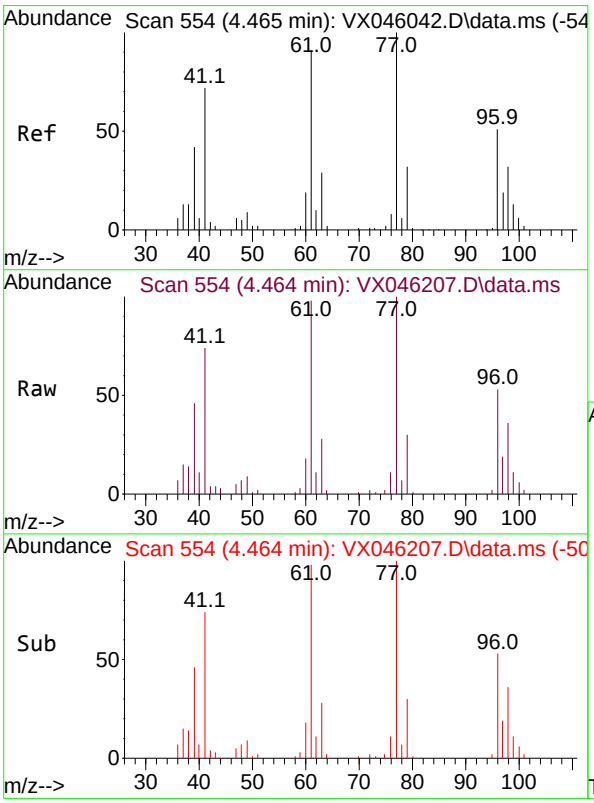
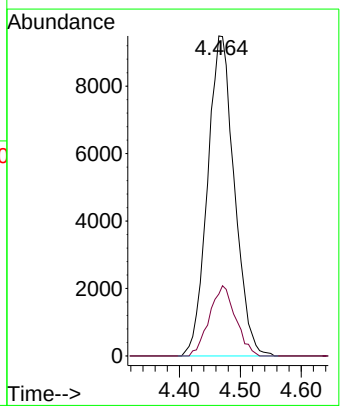


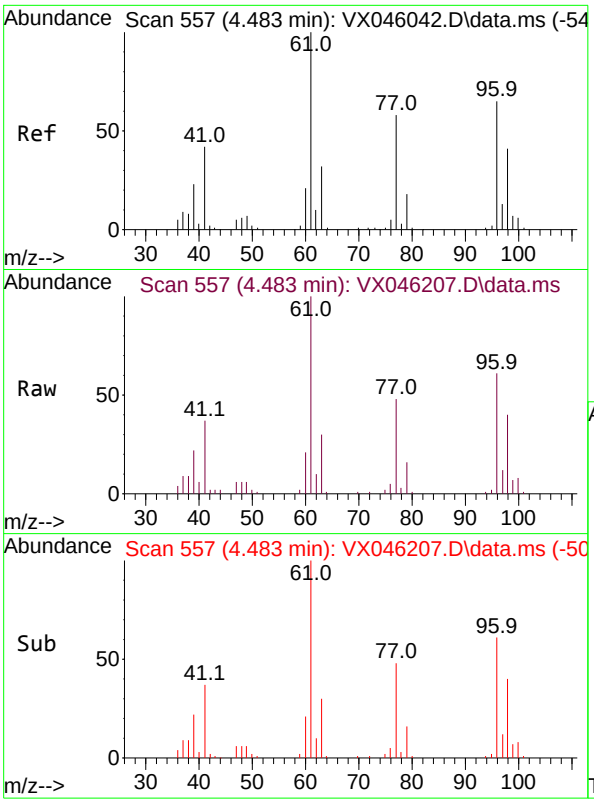


#26
2,2-Dichloropropane
Concen: 17.584 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 77 Resp: 29004

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 19.348 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 96 Resp: 2400

Ion	Ratio	Lower	Upper
96	100		
61	165.2	0.0	322.8
98	66.2	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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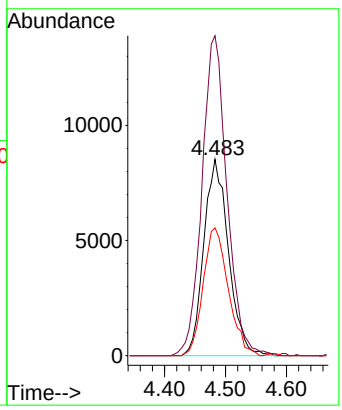
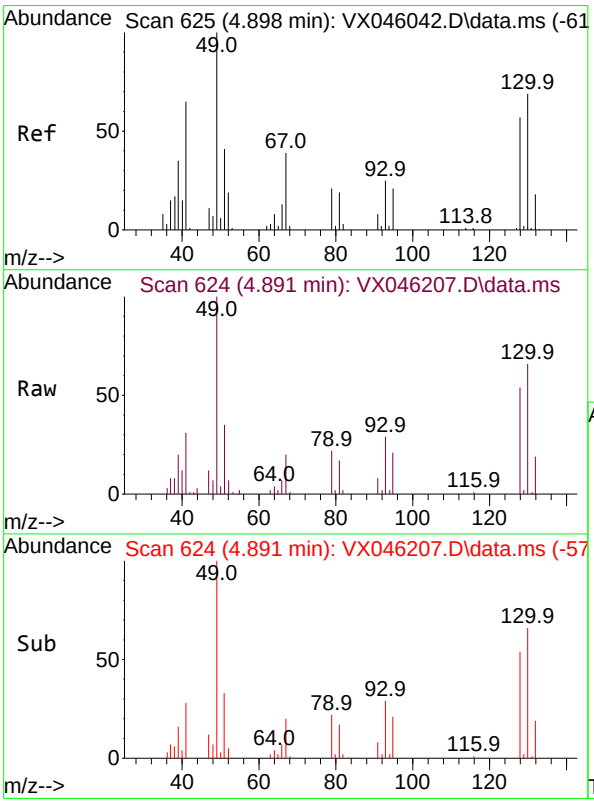
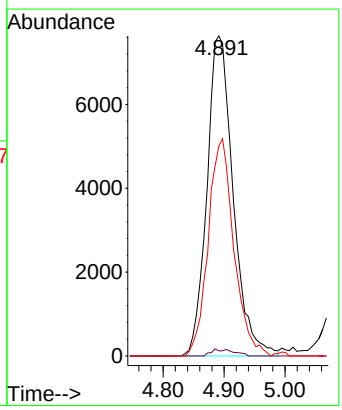


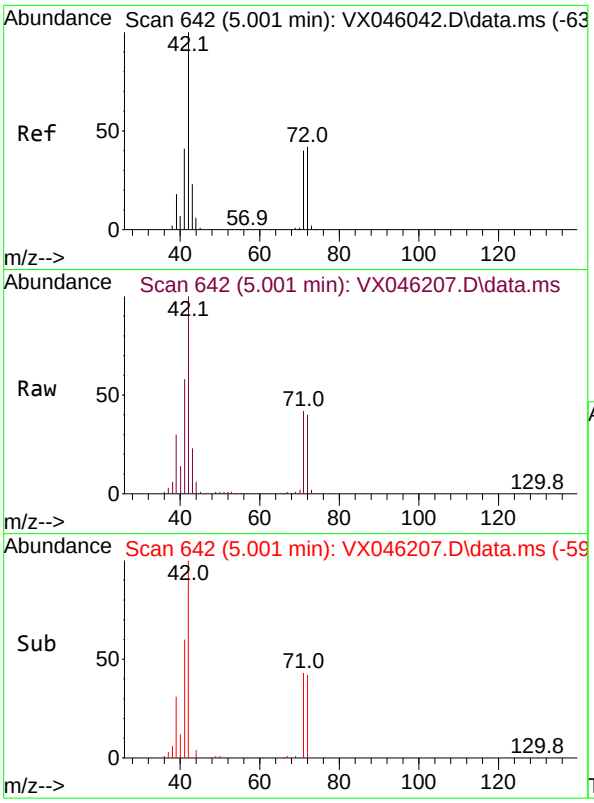


#28
Bromochloromethane
Concen: 22.602 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 49 Resp: 22927

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.0
130	66.1	56.2	84.2





#29
Tetrahydrofuran
Concen: 106.483 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 42 Resp: 6258

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	40.0	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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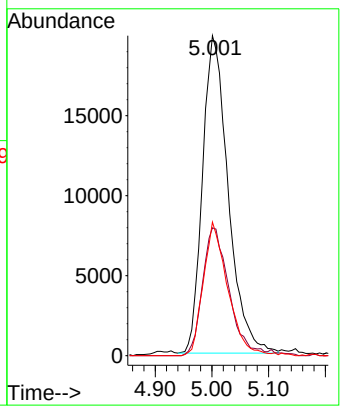
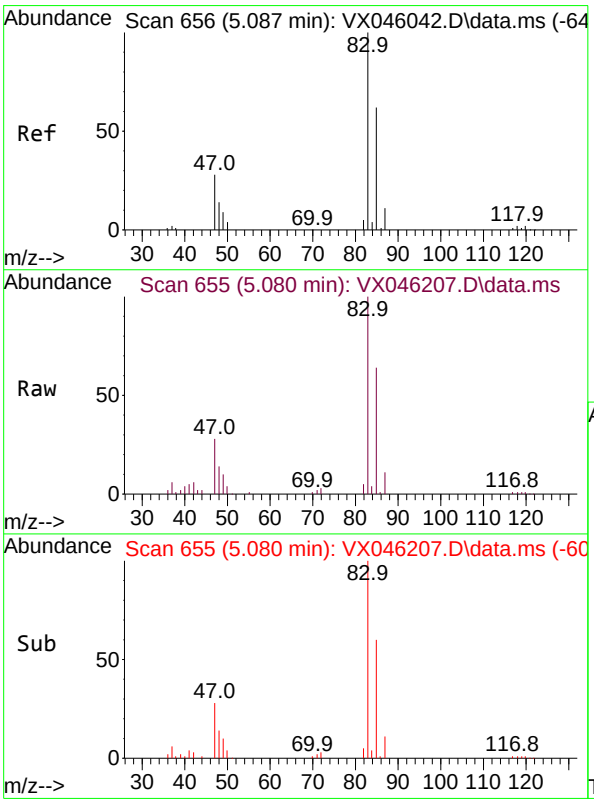
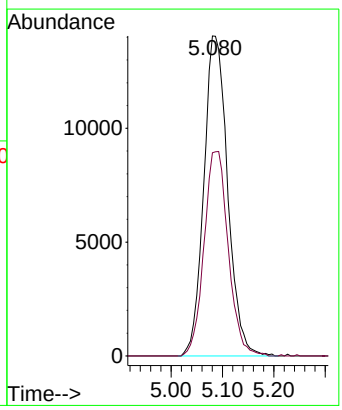


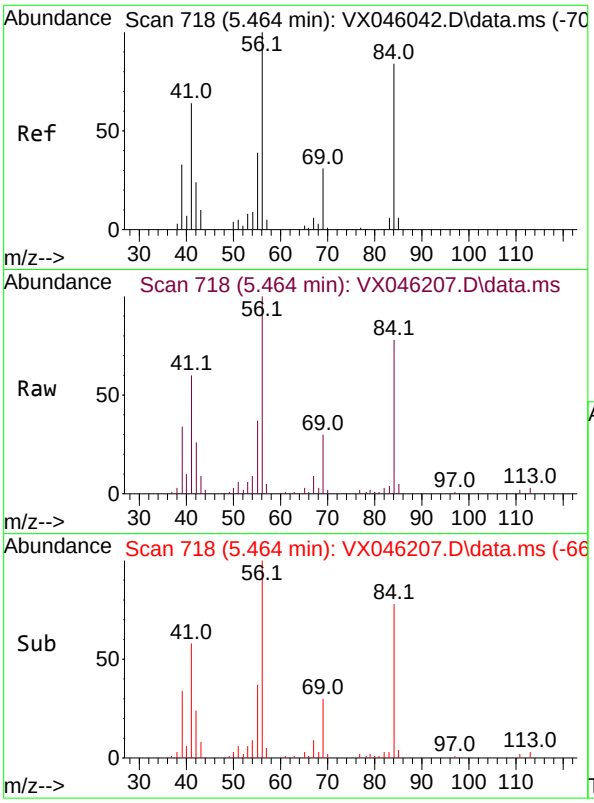


#30
Chloroform
Concen: 20.624 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 83 Resp: 45302

Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.3	73.9

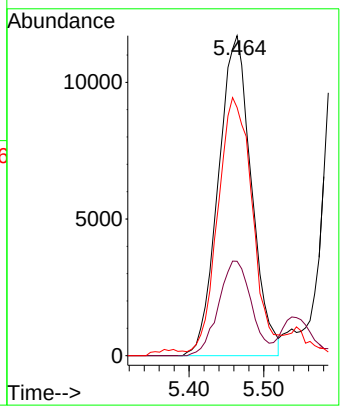




#31
Cyclohexane
Concen: 18.734 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 56 Resp: 3597

Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.4	36.6
84	76.2	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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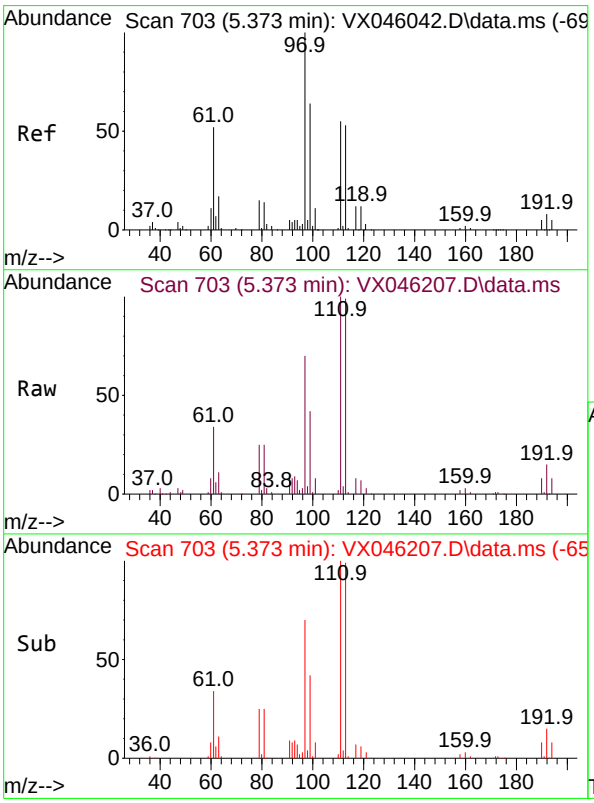
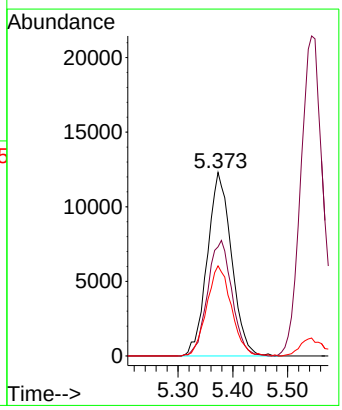
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

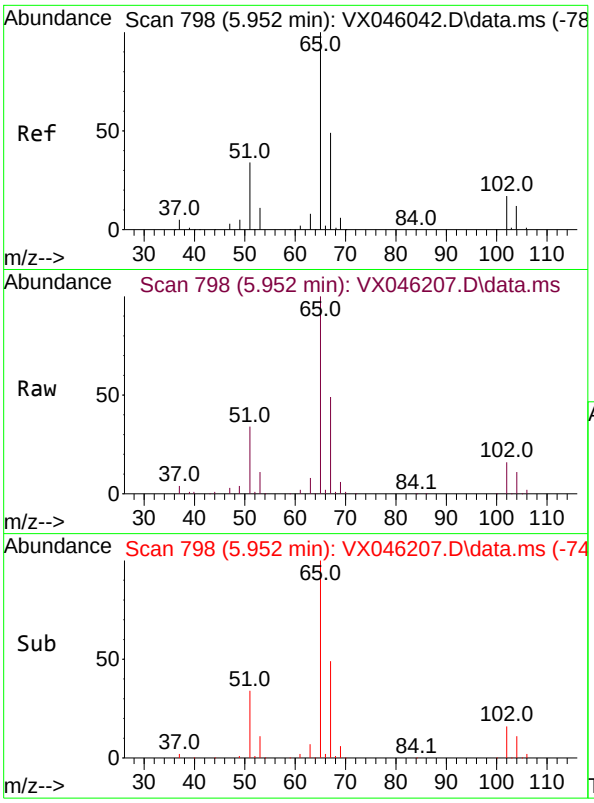


#32
1,1,1-Trichloroethane
Concen: 19.811 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 97 Resp: 37721

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.6
61	50.1	40.1	60.1

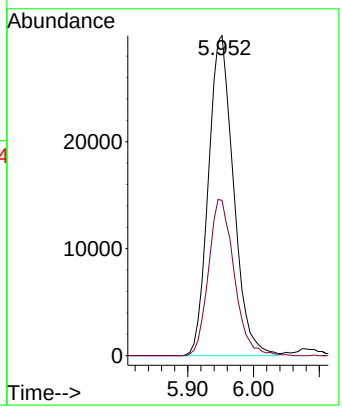




#33
1,2-Dichloroethane-d4
Concen: 49.367 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 65 Resp: 7955

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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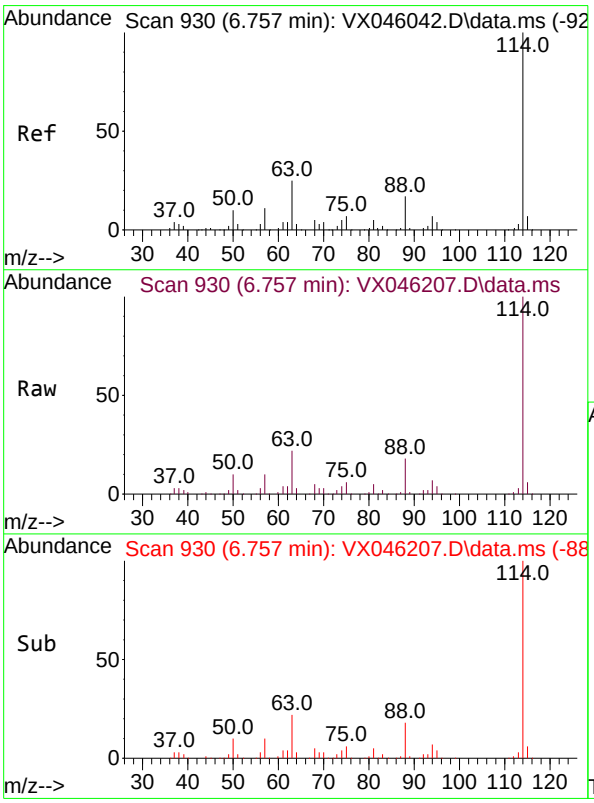
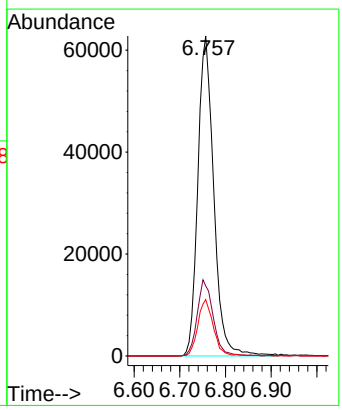
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

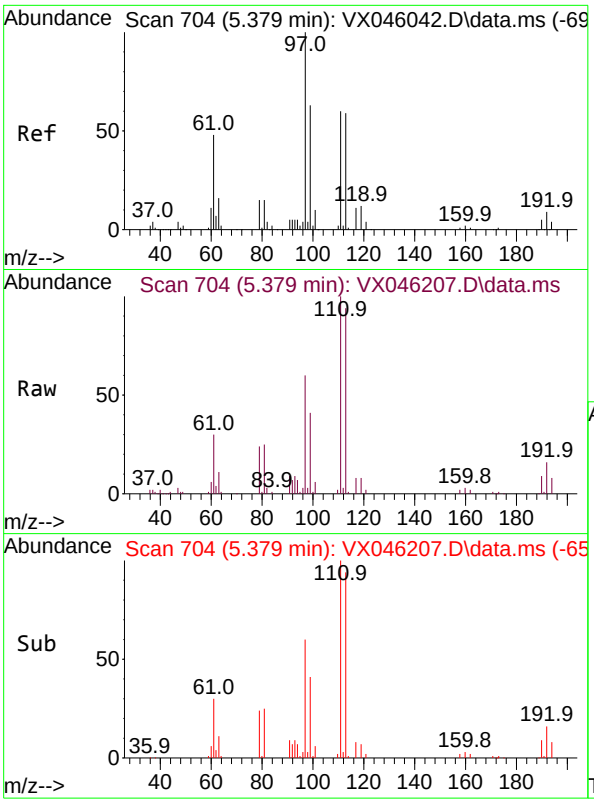


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:114 Resp: 151750

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	49.2
88	17.6	0.0	33.6

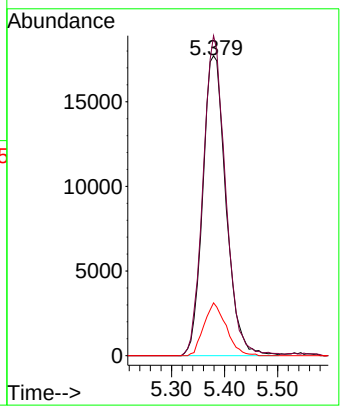




#35
Dibromofluoromethane
Concen: 49.295 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:113 Resp: 5386

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.1	124.7
192	16.9	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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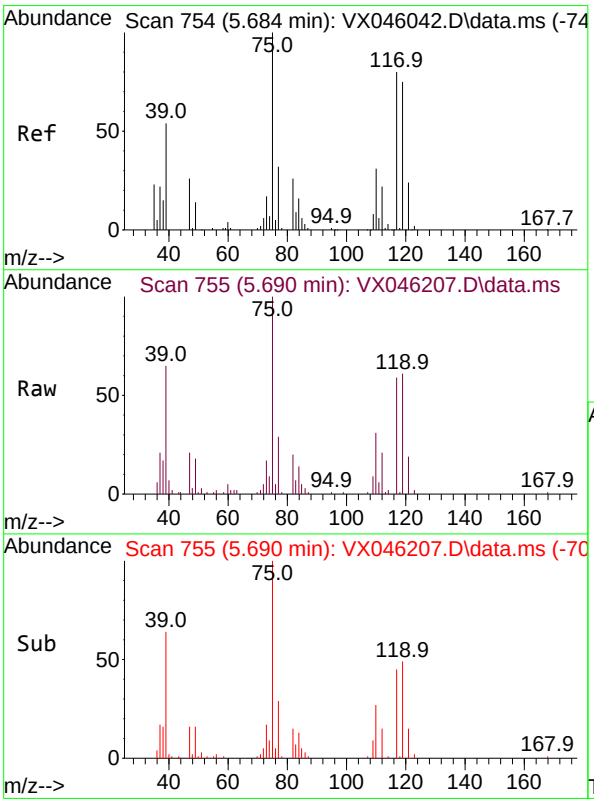
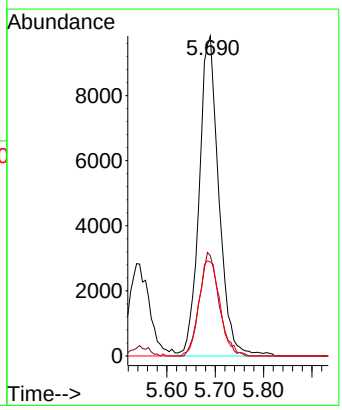
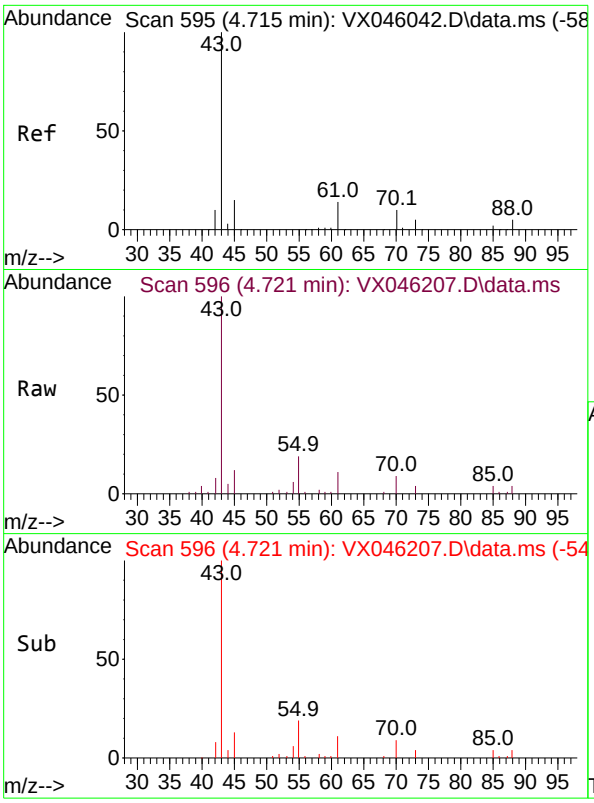


#36
1,1-Dichloropropene
Concen: 18.908 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 27762

Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.3	48.9
77	31.9	24.3	36.5

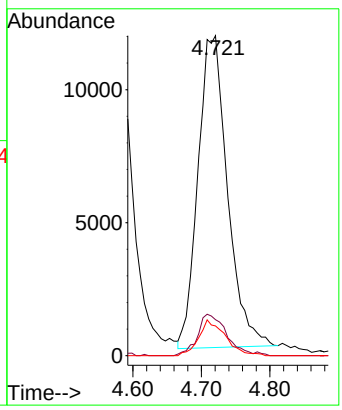




#37
Ethyl Acetate
Concen: 19.386 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 3516

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	10.4	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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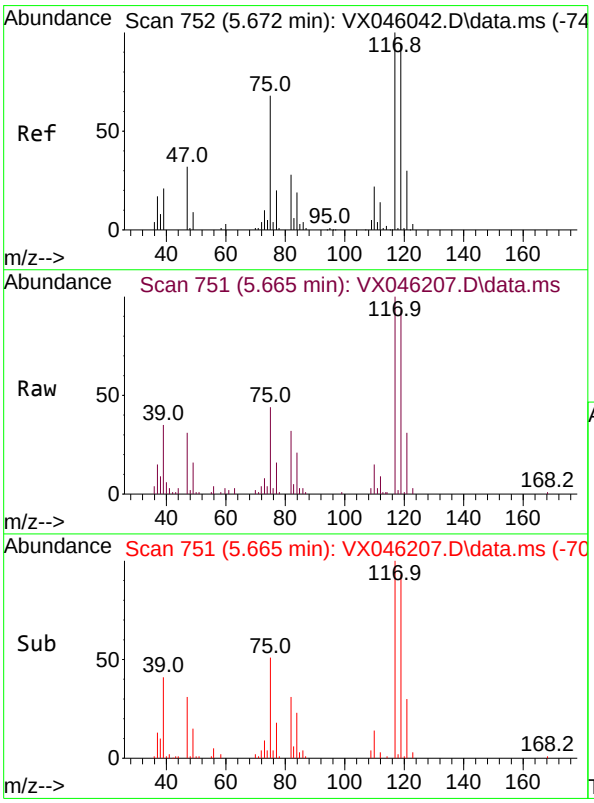
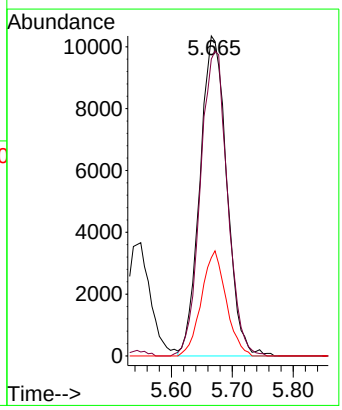
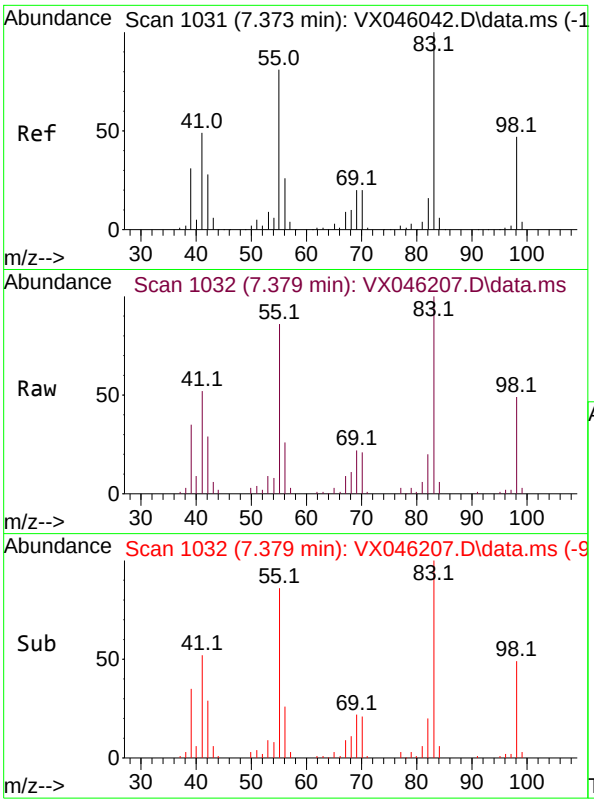


#38
Carbon Tetrachloride
Concen: 19.192 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:117 Resp: 31661

Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.2	112.8
121	30.7	24.2	36.4

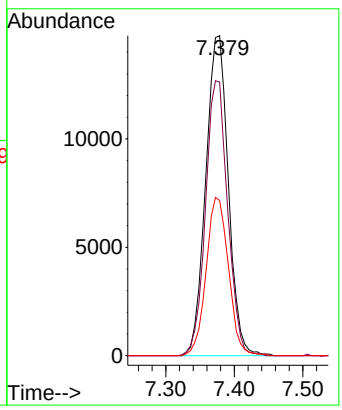




#39
Methylcyclohexane
Concen: 17.899 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 83 Resp: 3383

Ion	Ratio	Lower	Upper
83	100		
55	85.5	64.7	97.1
98	48.5	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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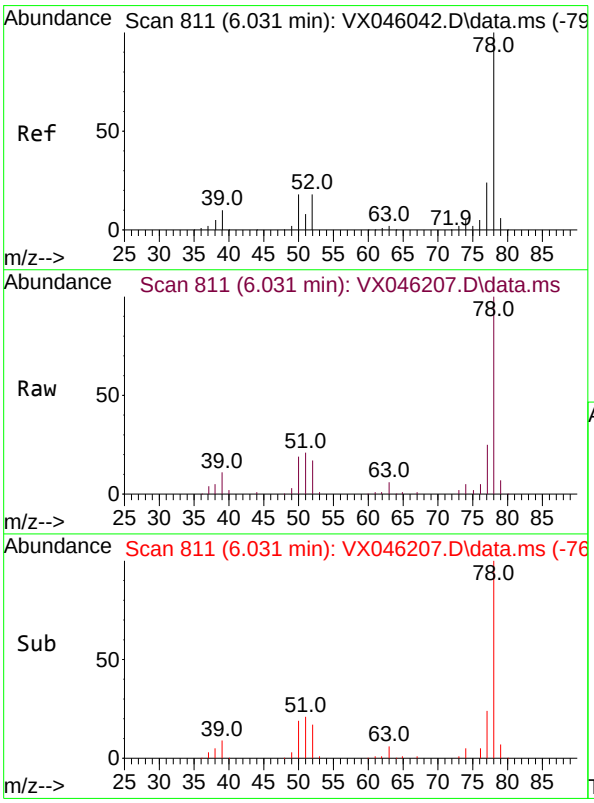
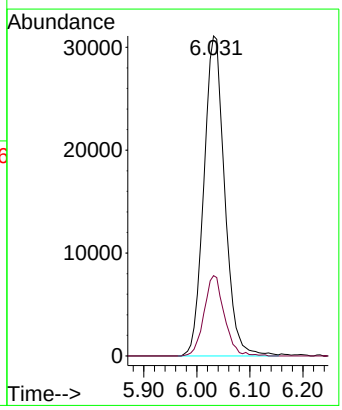
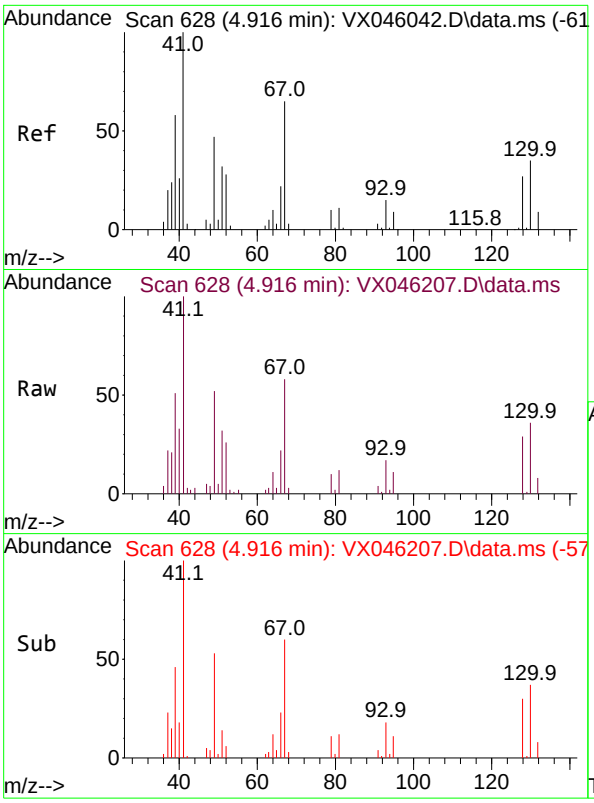


#40
Benzene
Concen: 19.727 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 78 Resp: 84839

Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.4

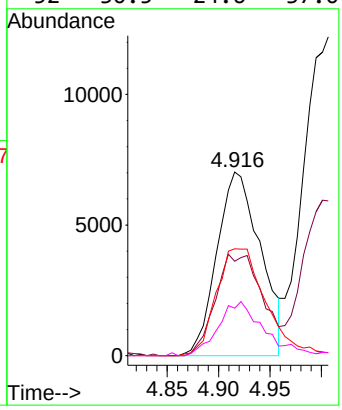




#41
Methacrylonitrile
Concen: 21.851 ug/l m
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 41 Resp: 2073

Ion	Ratio	Lower	Upper
41	100		
39	58.9	47.2	70.8
67	66.7	50.7	76.1
52	30.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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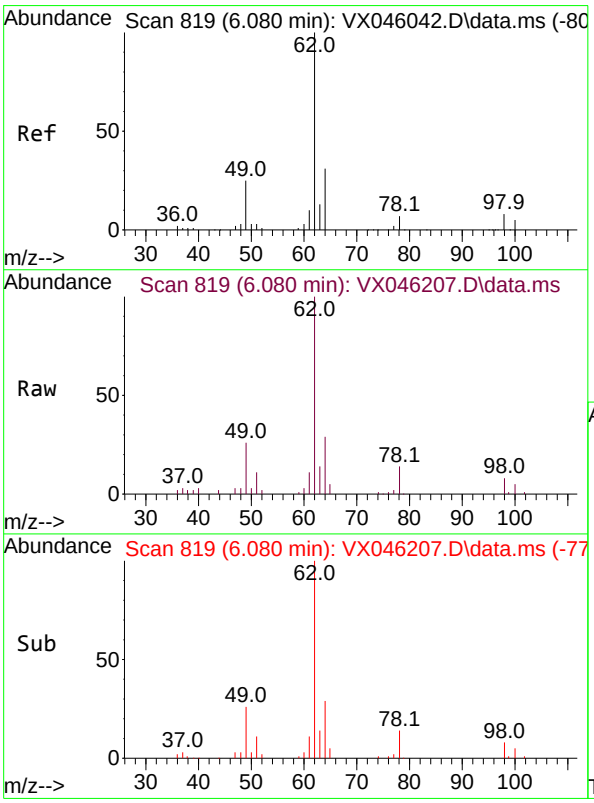
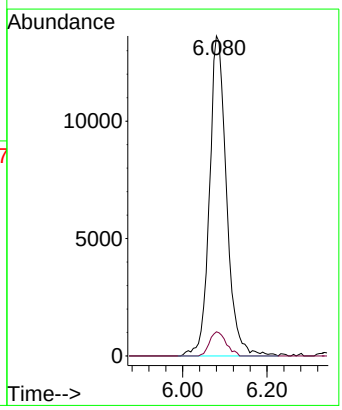
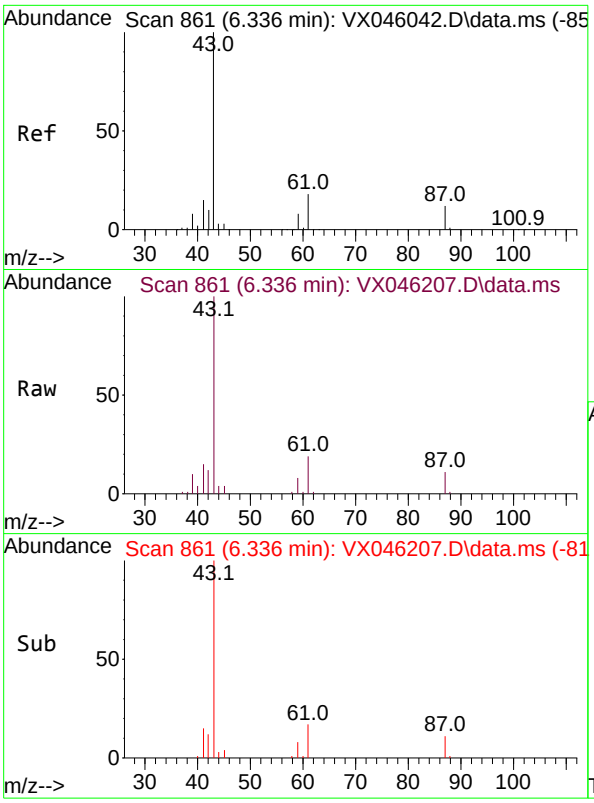


#42
1,2-Dichloroethane
Concen: 20.671 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 62 Resp: 38367

Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.2





#43
Isopropyl Acetate
Concen: 20.488 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 5669

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.4	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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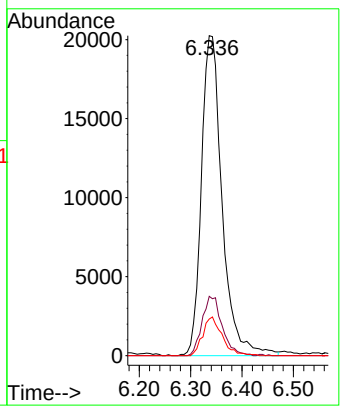
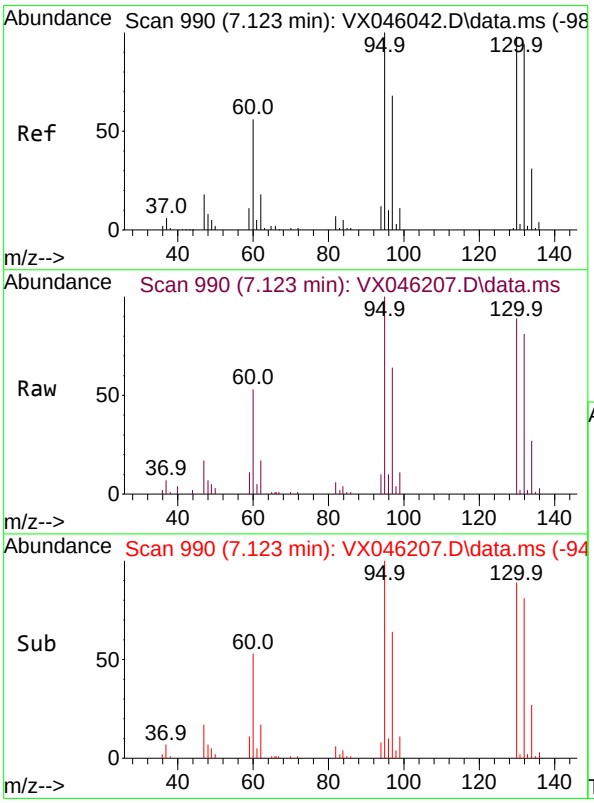
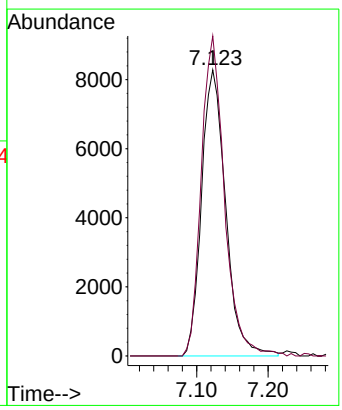


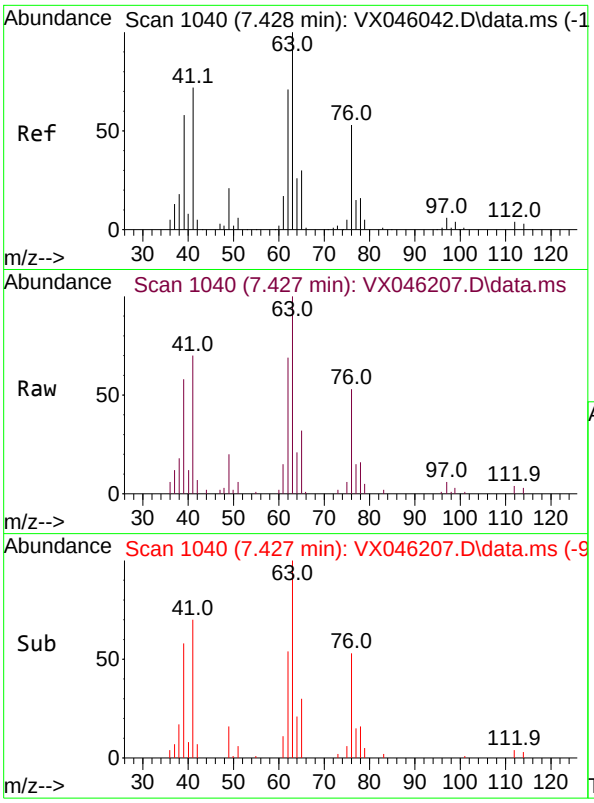


#44
Trichloroethene
Concen: 18.771 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:130 Resp: 19429

Ion	Ratio	Lower	Upper
130	100		
95	111.9	0.0	204.2





#45
1,2-Dichloropropane
Concen: 21.279 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 63 Resp: 2275

Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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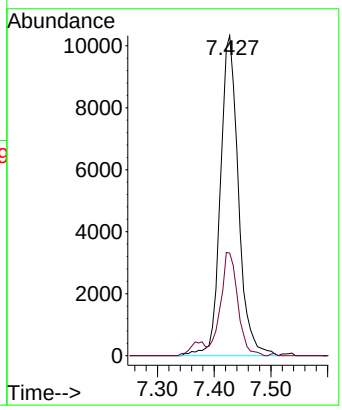
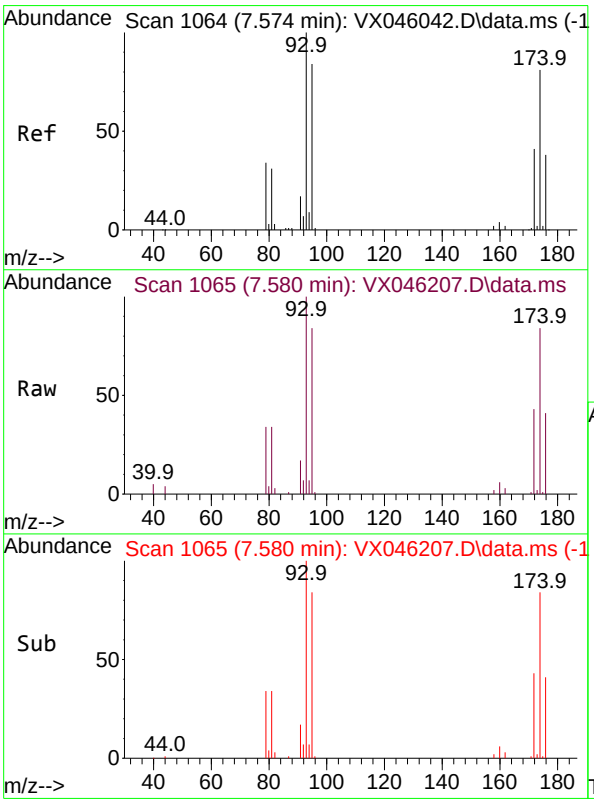
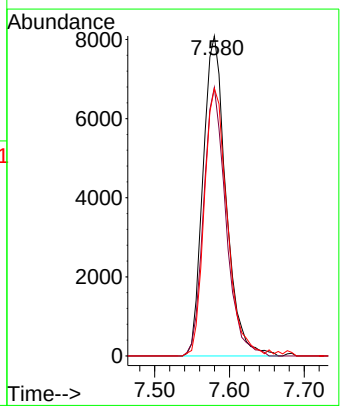


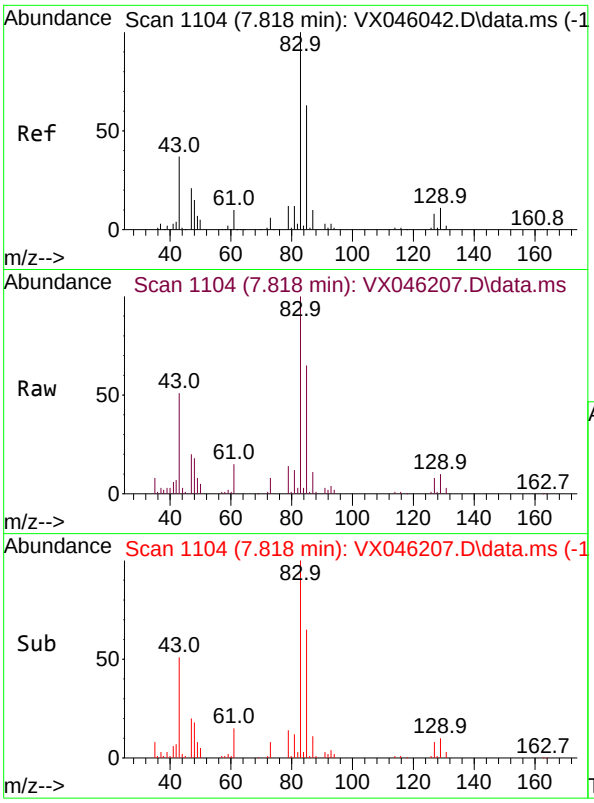


#46
Dibromomethane
Concen: 20.419 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 93 Resp: 17222

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.6	98.4
174	83.7	68.2	102.2

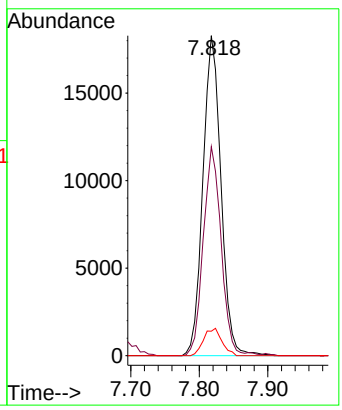




#47
Bromodichloromethane
Concen: 20.256 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 83 Resp: 3364

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.5	75.7
127	7.6	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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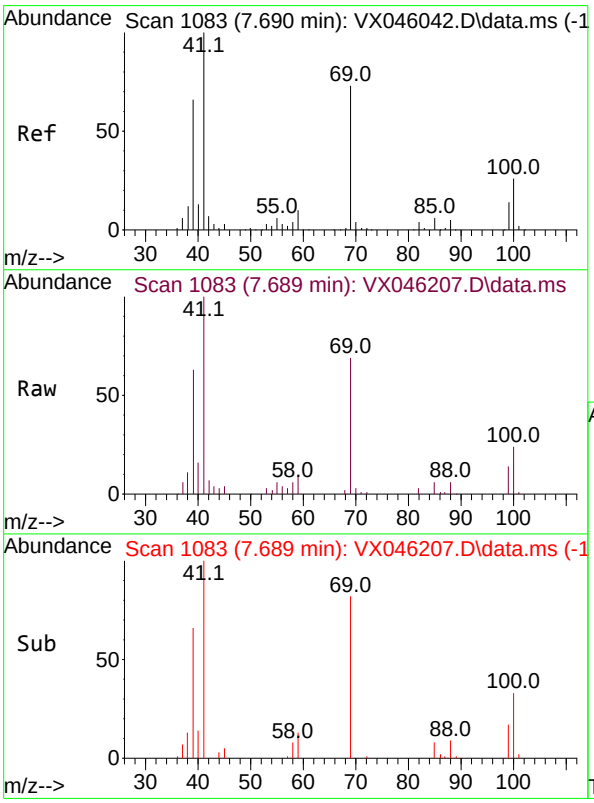
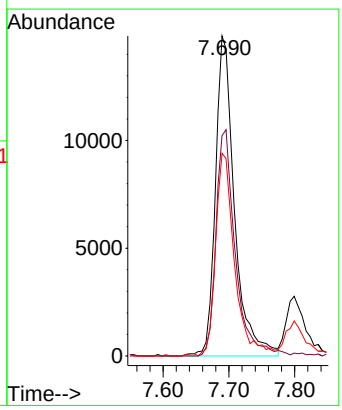
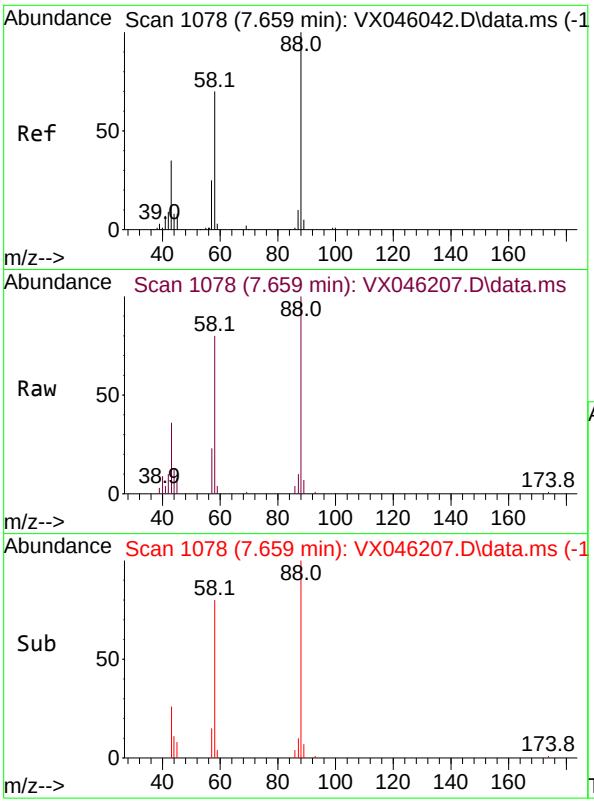


#48
Methyl methacrylate
Concen: 21.183 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 41 Resp: 29938

Ion	Ratio	Lower	Upper
41	100		
69	71.2	58.5	87.7
39	63.2	51.7	77.5





#49
1,4-Dioxane
Concen: 447.250 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 88 Resp: 1200

Ion	Ratio	Lower	Upper
88	100		
43	41.0	33.4	50.2
58	72.1	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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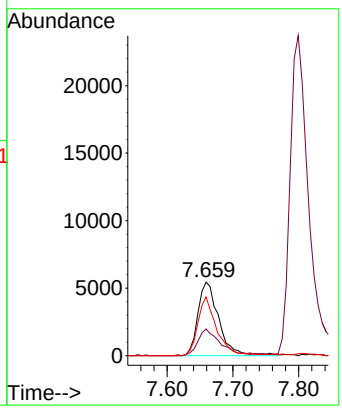
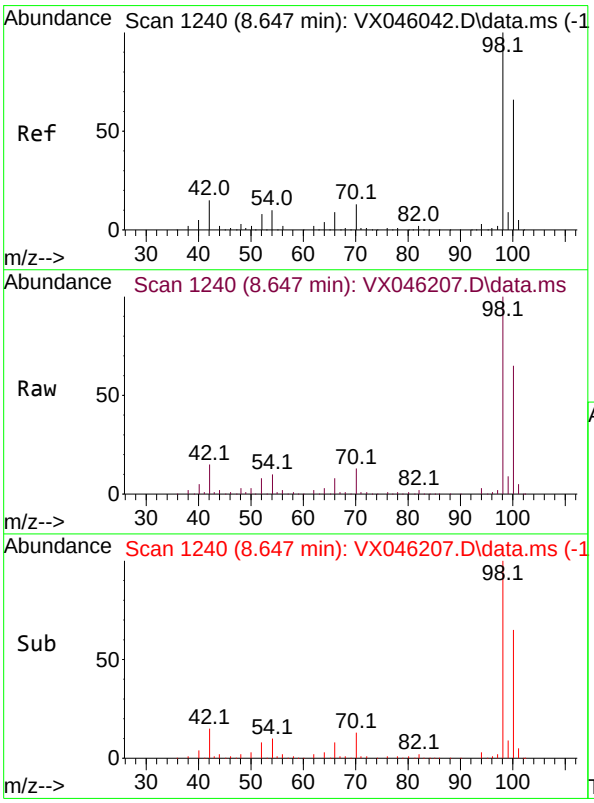
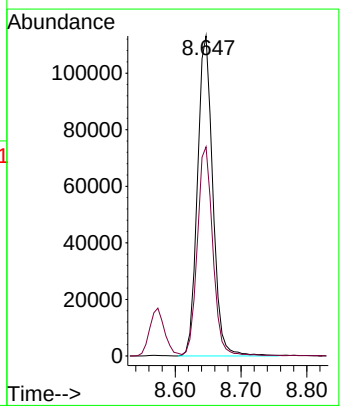


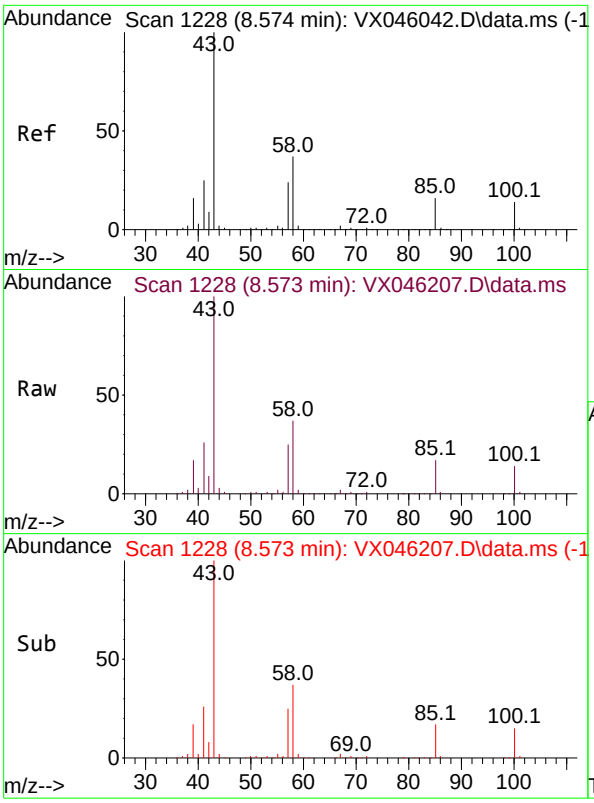


#50
Toluene-d8
Concen: 48.467 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 98 Resp: 183312

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 109.281 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 20074

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
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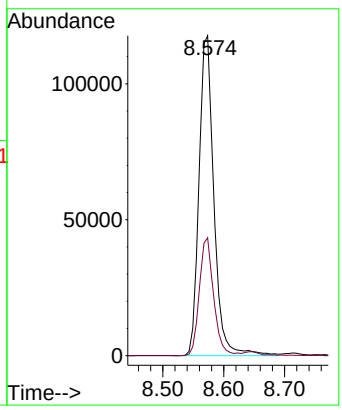
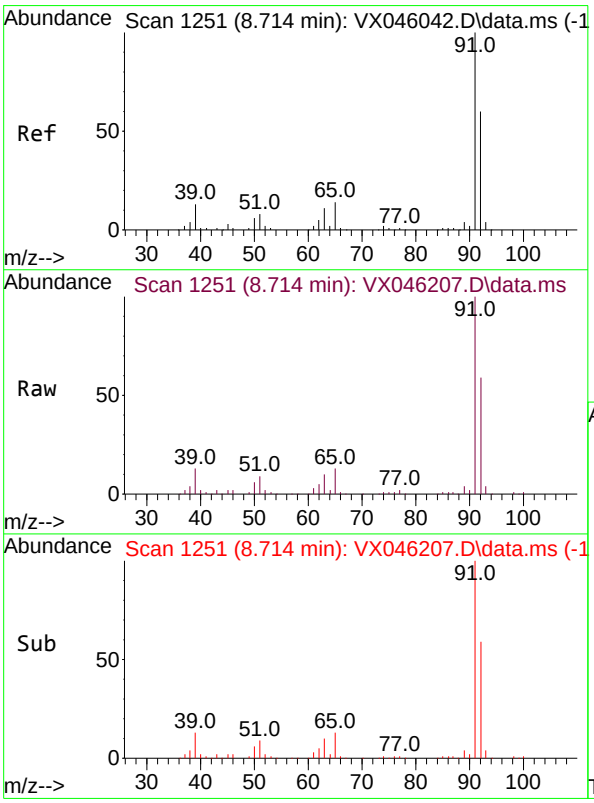
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

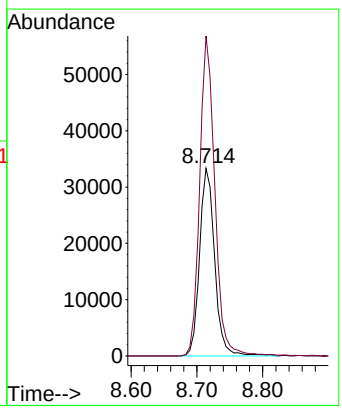


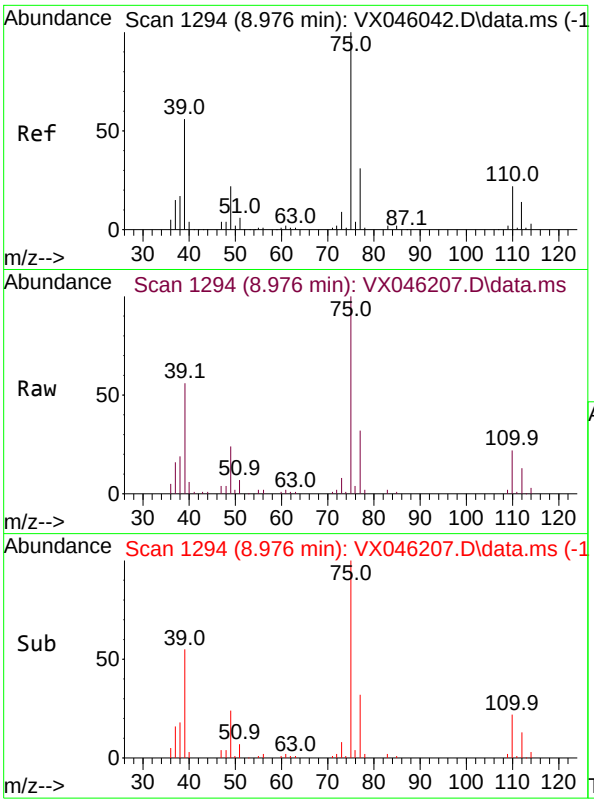


#52
Toluene
Concen: 20.145 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 92 Resp: 53123

Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.6	205.0

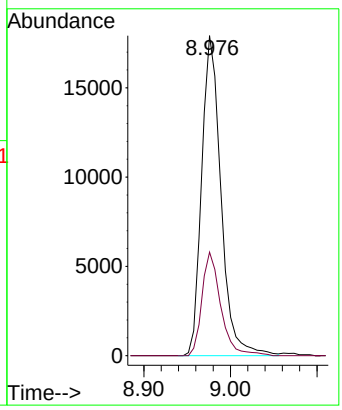




#53
t-1,3-Dichloropropene
Concen: 18.826 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 2779

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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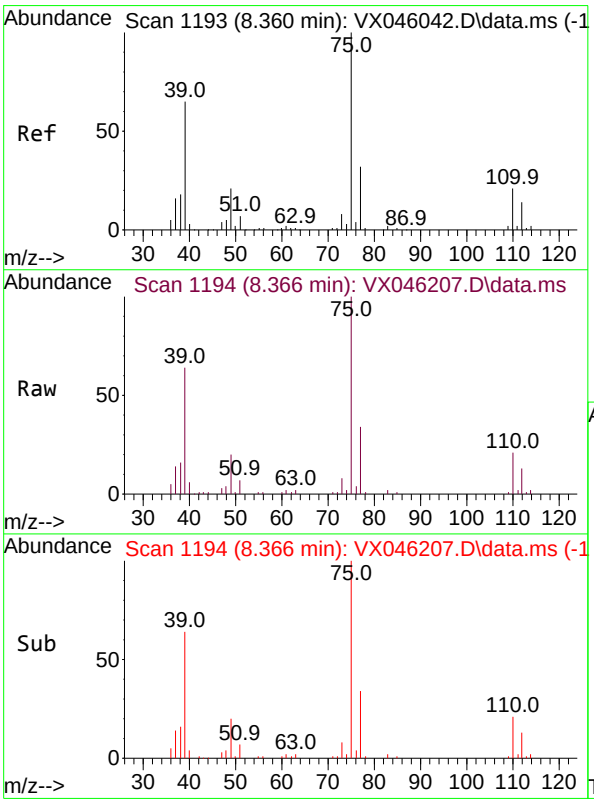
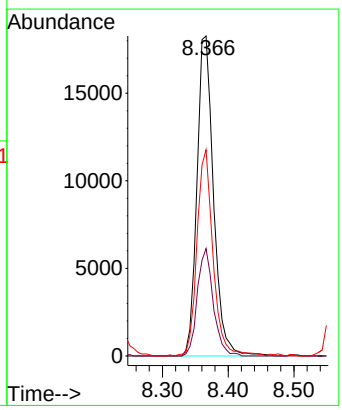
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

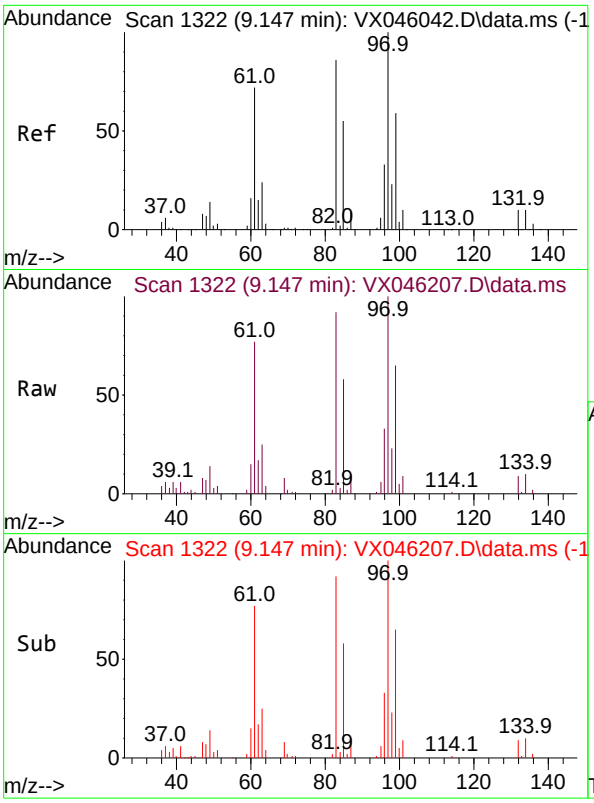


#54
cis-1,3-Dichloropropene
Concen: 19.613 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 32007

Ion	Ratio	Lower	Upper
75	100		
77	33.6	25.4	38.0
39	64.1	52.2	78.4

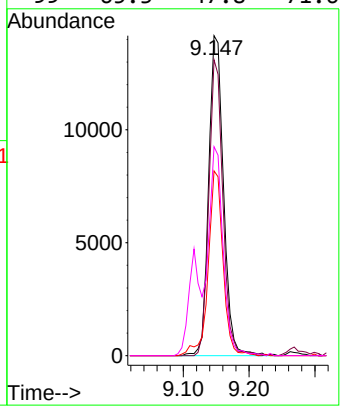




#55
1,1,2-Trichloroethane
Concen: 21.457 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 97 Resp: 2231

Ion	Ratio	Lower	Upper
97	100		
83	92.5	69.0	103.6
85	57.7	44.3	66.5
99	65.3	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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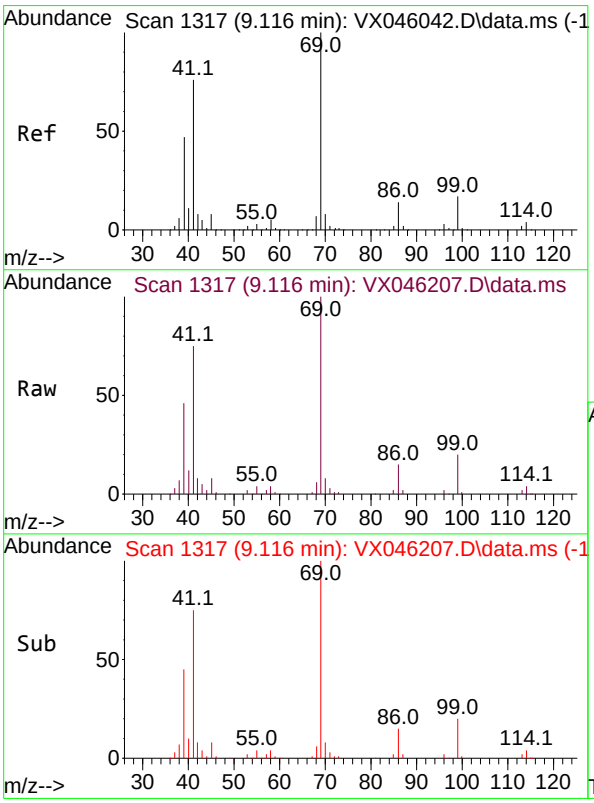
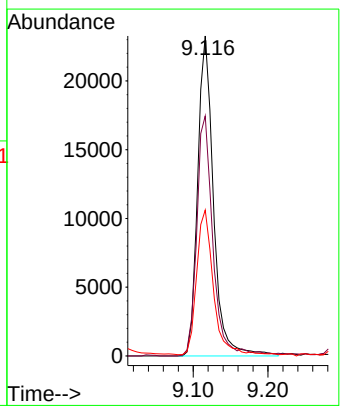
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

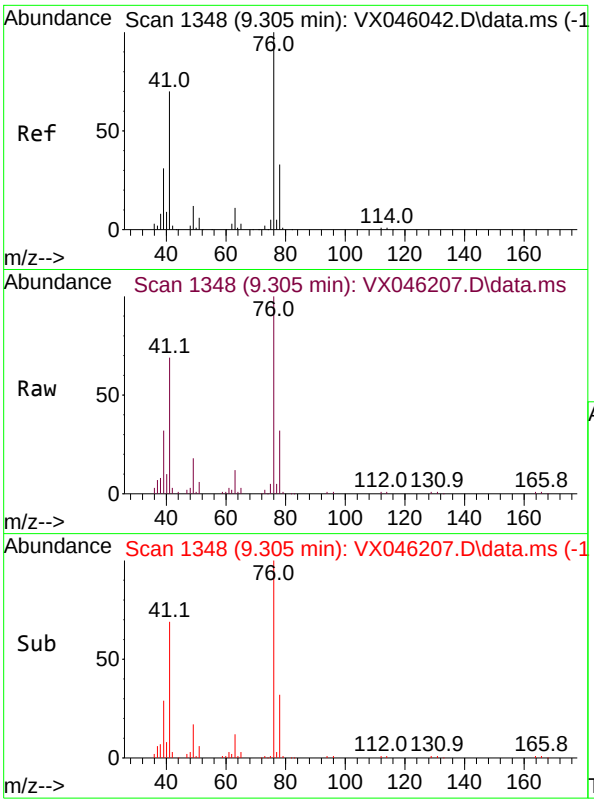


#56
Ethyl methacrylate
Concen: 20.651 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 69 Resp: 34224

Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.8	91.2
39	47.8	39.0	58.6





#57
1,3-Dichloropropane
Concen: 20.915 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 76 Resp: 3905

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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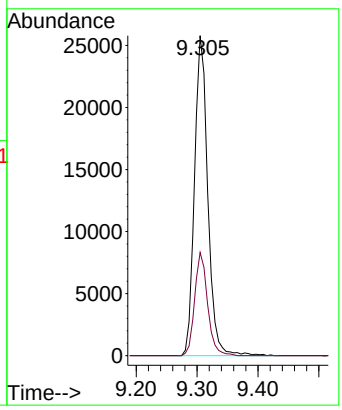
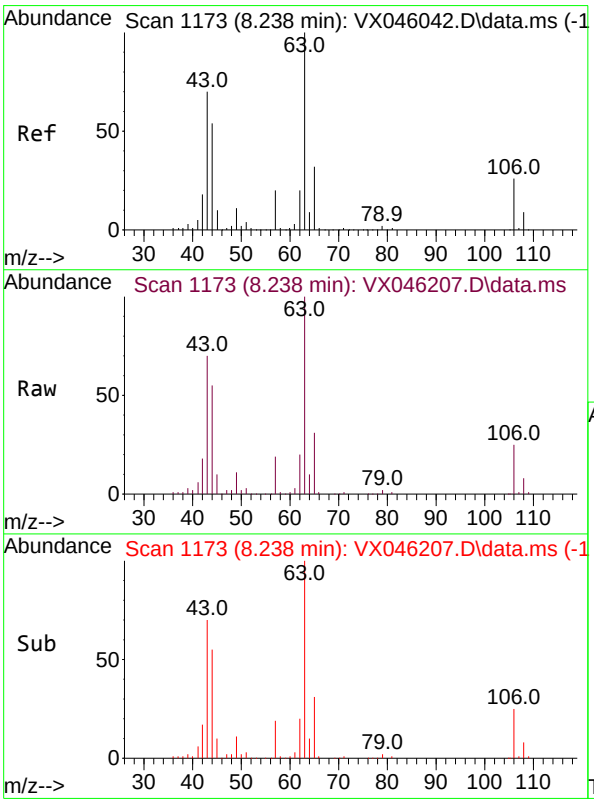
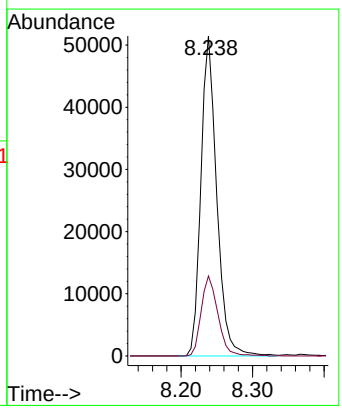


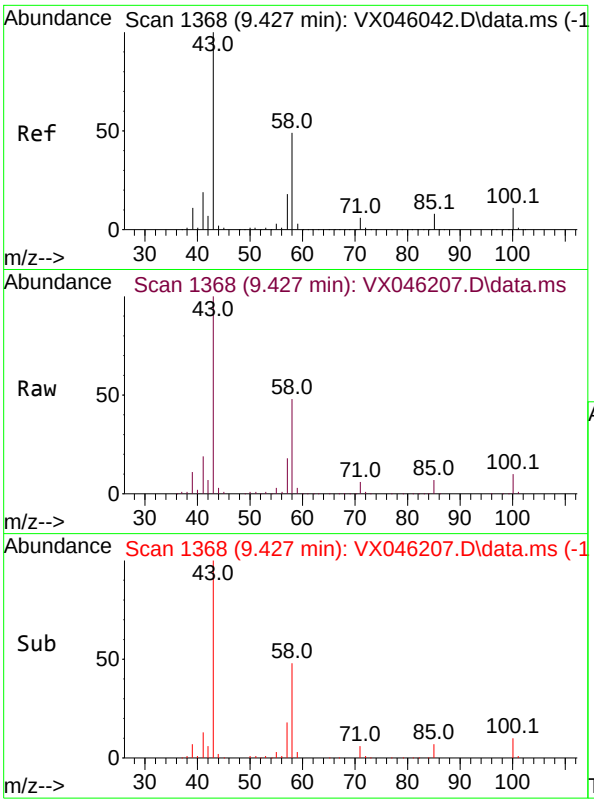


#58
2-Chloroethyl Vinyl ether
Concen: 93.730 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 63 Resp: 79190

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.5	32.3





#59
2-Hexanone
Concen: 110.872 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 15067

Ion	Ratio	Lower	Upper
43	100		
58	48.6	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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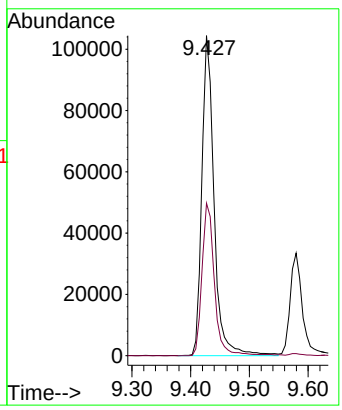
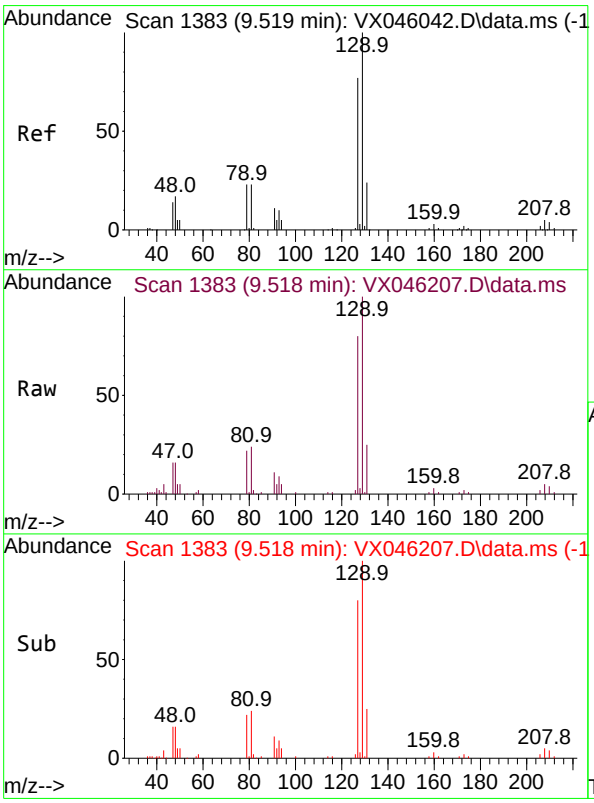
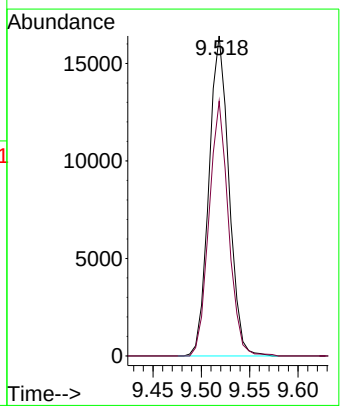


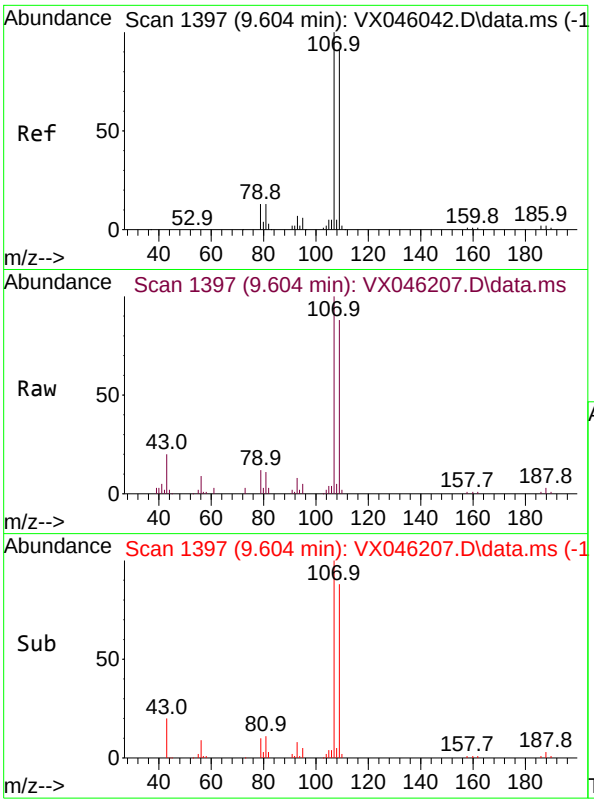


#60
Dibromochloromethane
Concen: 20.723 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:129 Resp: 23664

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8





#61
1,2-Dibromoethane
Concen: 21.032 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

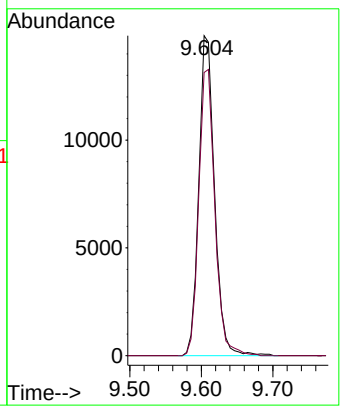
Tgt Ion:107 Resp: 2273

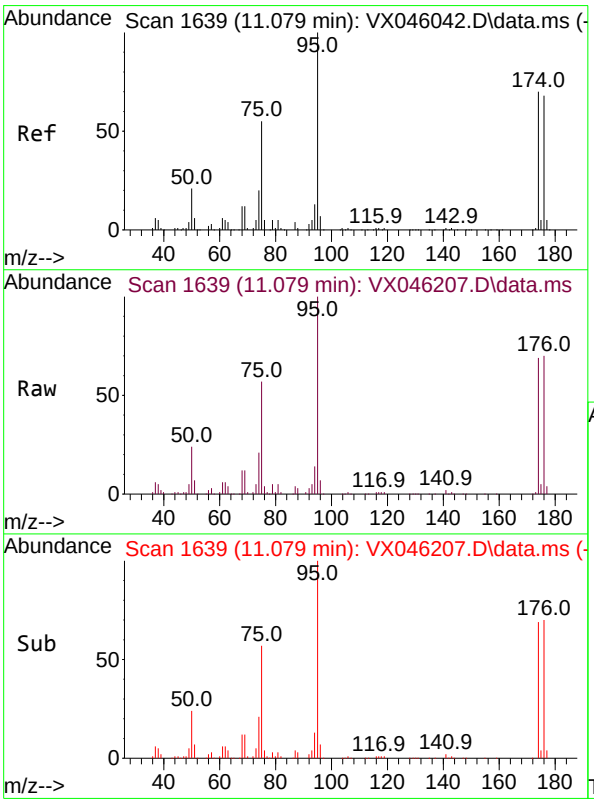
Ion	Ratio	Lower	Upper
107	100		
109	91.5	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

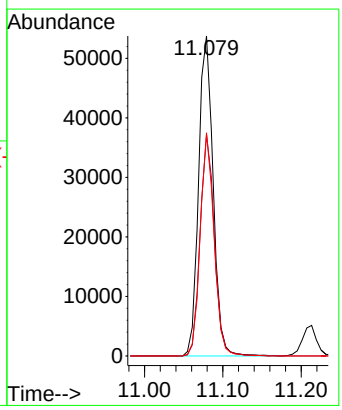


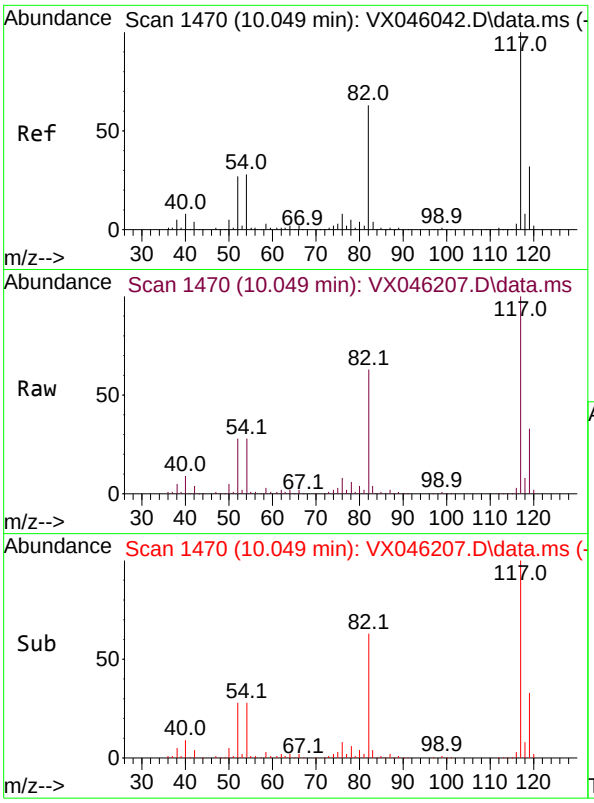


#62
4-Bromofluorobenzene
Concen: 47.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 95 Resp: 69470

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	135.8
176	66.0	0.0	131.4

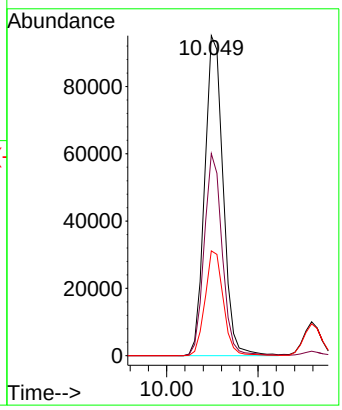




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:117 Resp: 13281

Ion	Ratio	Lower	Upper
117	100		
82	63.1	50.6	76.0
119	32.8	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/16/2025
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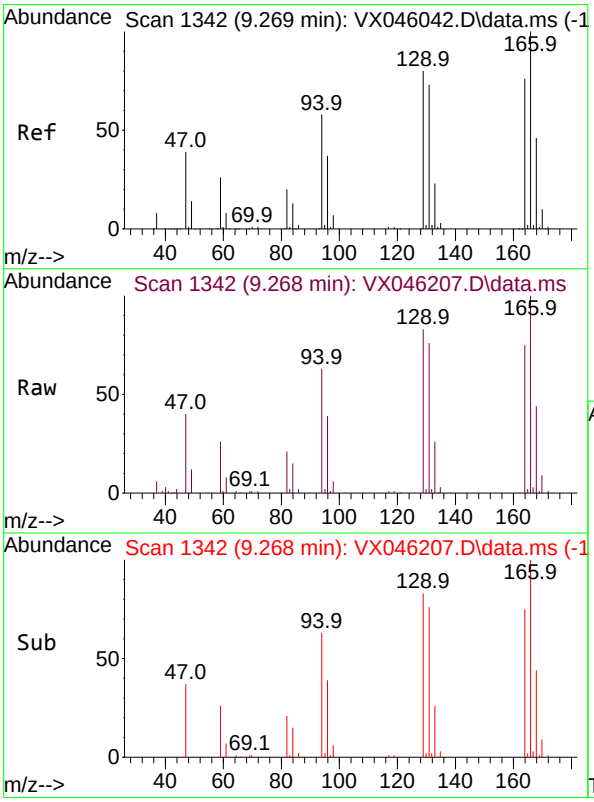
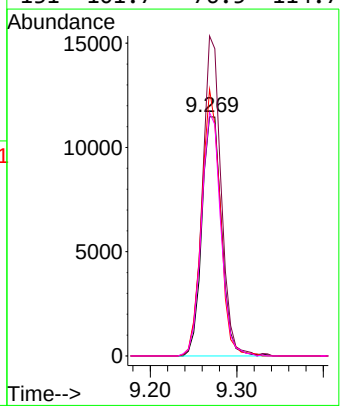
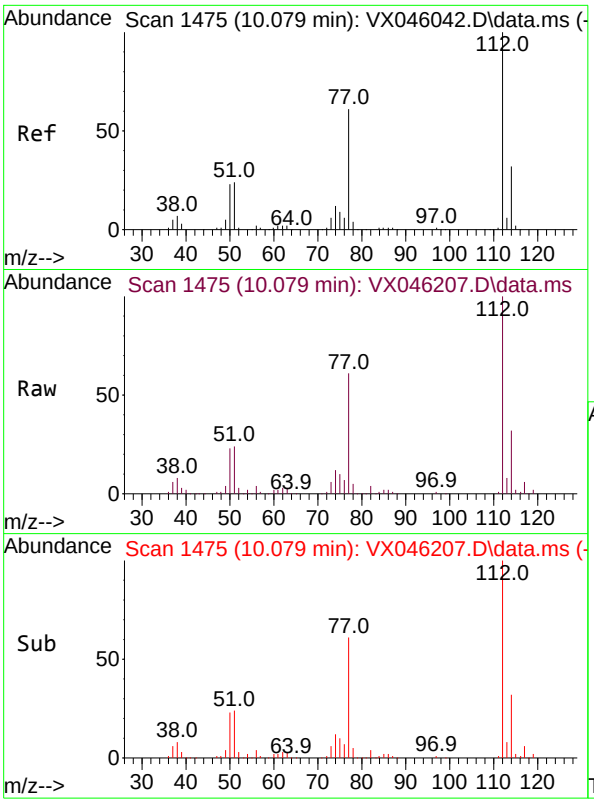


#64
Tetrachloroethene
Concen: 19.250 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:164 Resp: 18090

Ion	Ratio	Lower	Upper
164	100		
166	133.8	105.0	157.6
129	111.4	83.5	125.3
131	101.7	76.5	114.7





#65
Chlorobenzene
Concen: 19.464 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:112 Resp: 5658

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
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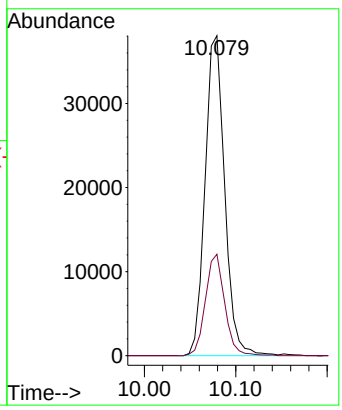
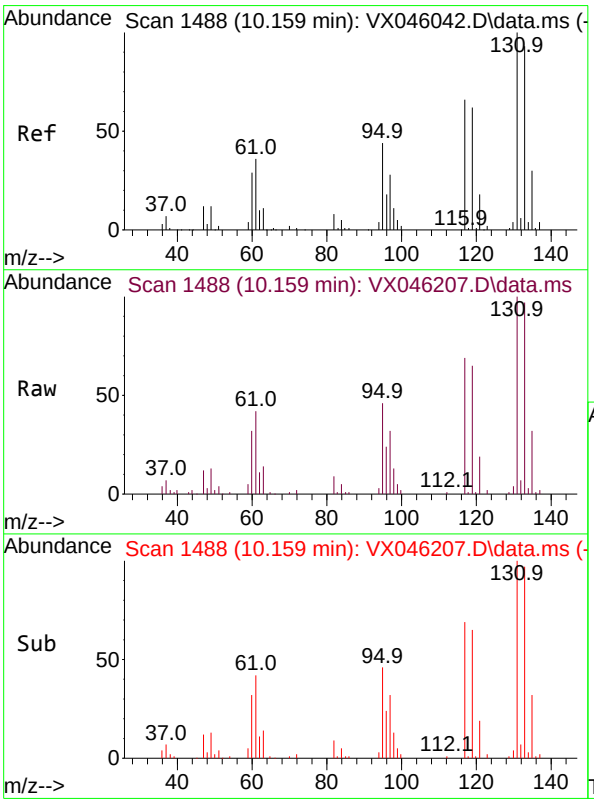
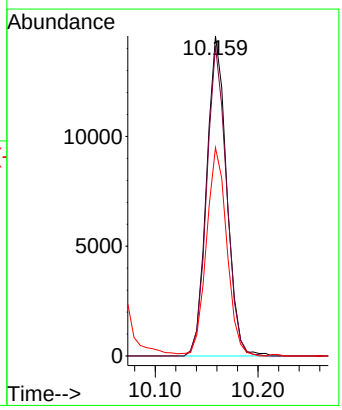


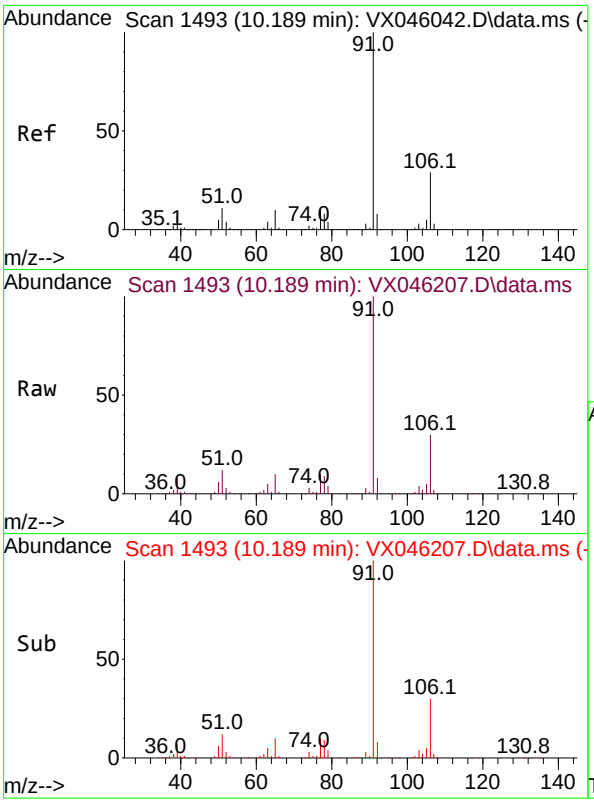


#66
1,1,1,2-Tetrachloroethane
Concen: 19.891 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:131 Resp: 19745

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	66.1	31.6	95.0





#67
Ethyl Benzene
Concen: 19.726 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 91 Resp: 10108

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/16/2025
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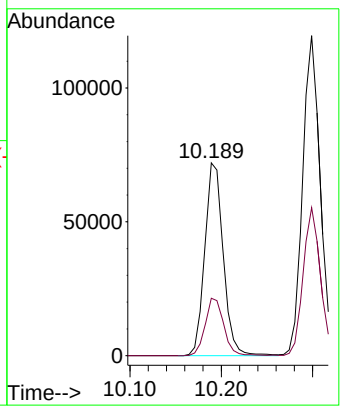
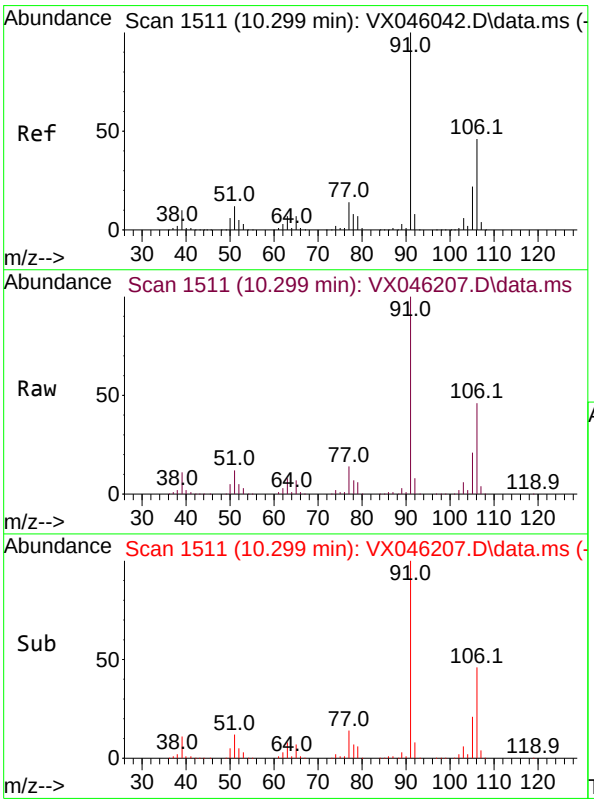
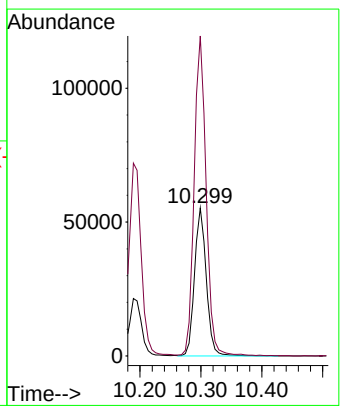


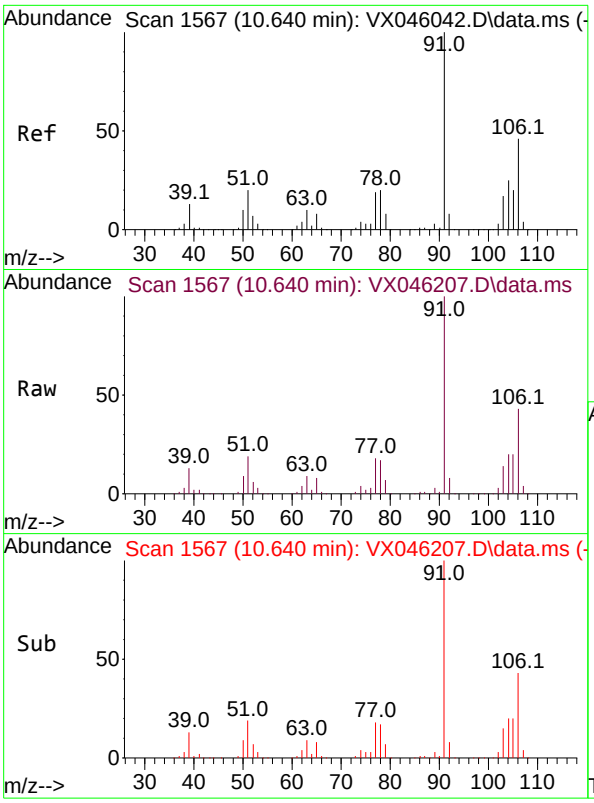


#68
m/p-Xylenes
Concen: 39.551 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:106 Resp: 74126

Ion	Ratio	Lower	Upper
106	100		
91	218.2	171.2	256.8

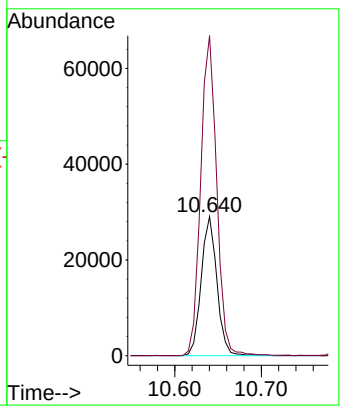




#69
o-Xylene
Concen: 20.034 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:106 Resp: 3660

Ion	Ratio	Lower	Upper
106	100		
91	234.6	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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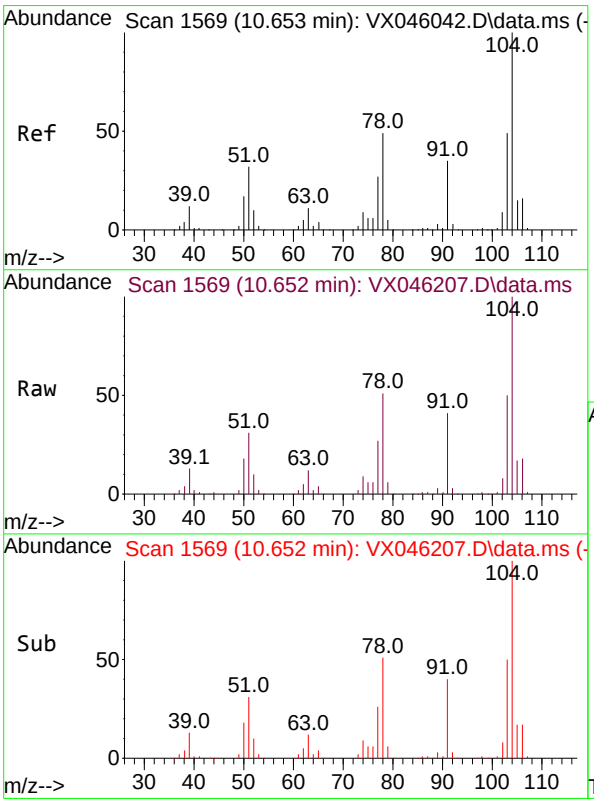
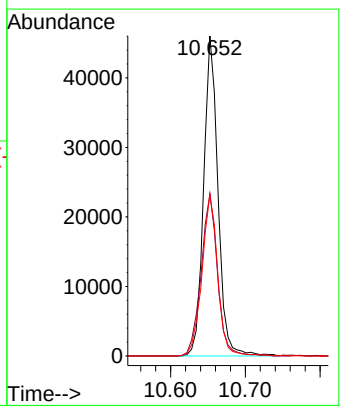
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

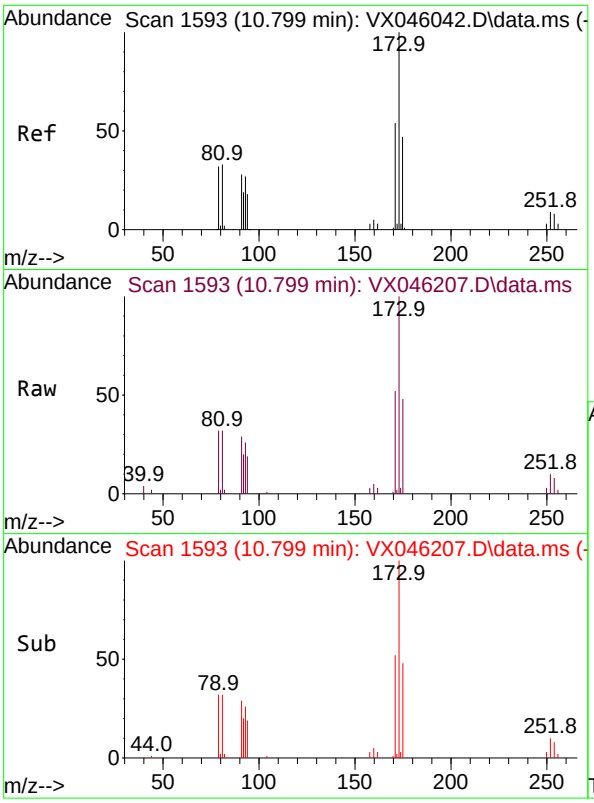


#70
Styrene
Concen: 20.507 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:104 Resp: 61379

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.7	68.5
103	55.6	43.7	65.5

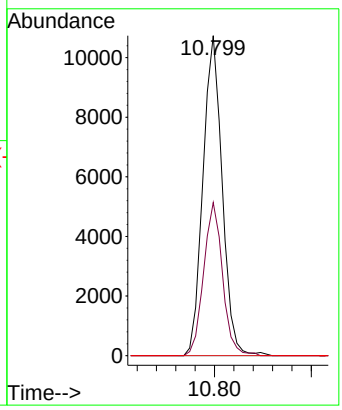




#71
Bromoform
Concen: 19.903 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:173 Resp: 1483

Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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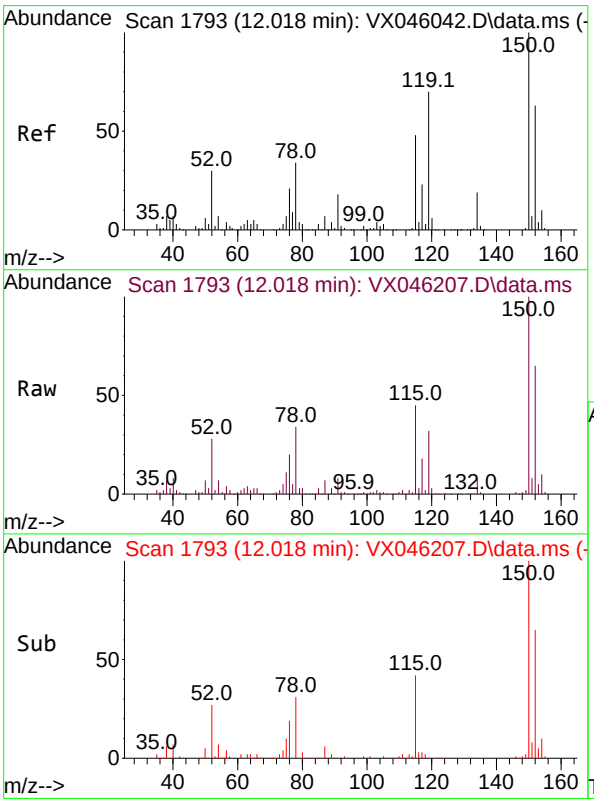
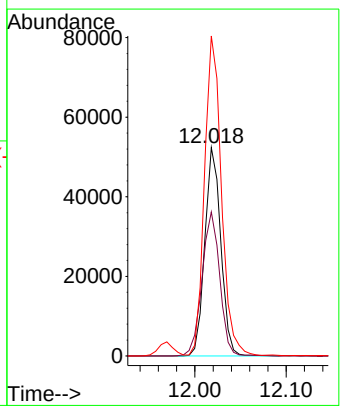
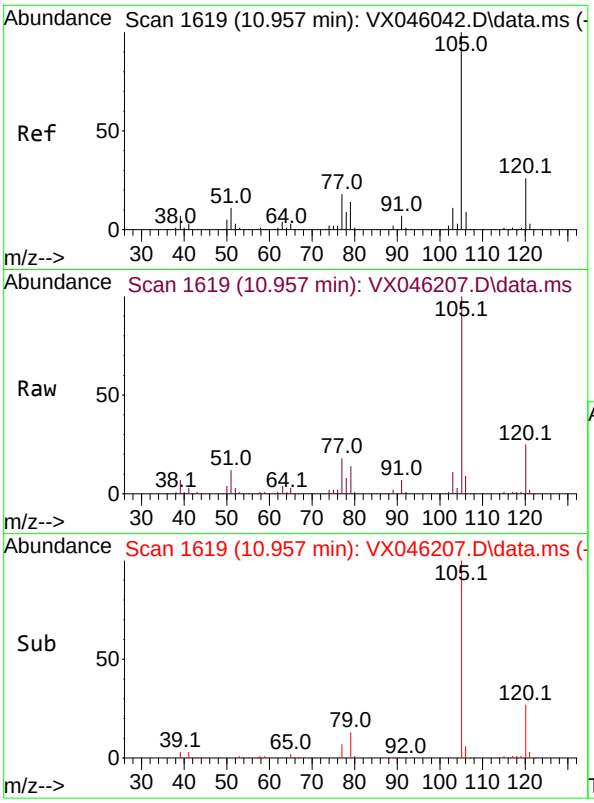


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:152 Resp: 63406

Ion	Ratio	Lower	Upper
152	100		
115	76.5	46.9	140.7
150	162.4	0.0	351.0





#73
Isopropylbenzene
Concen: 20.076 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:105 Resp: 9910

Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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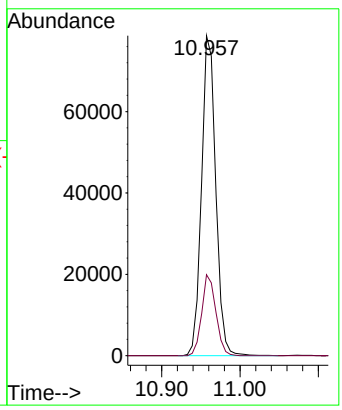
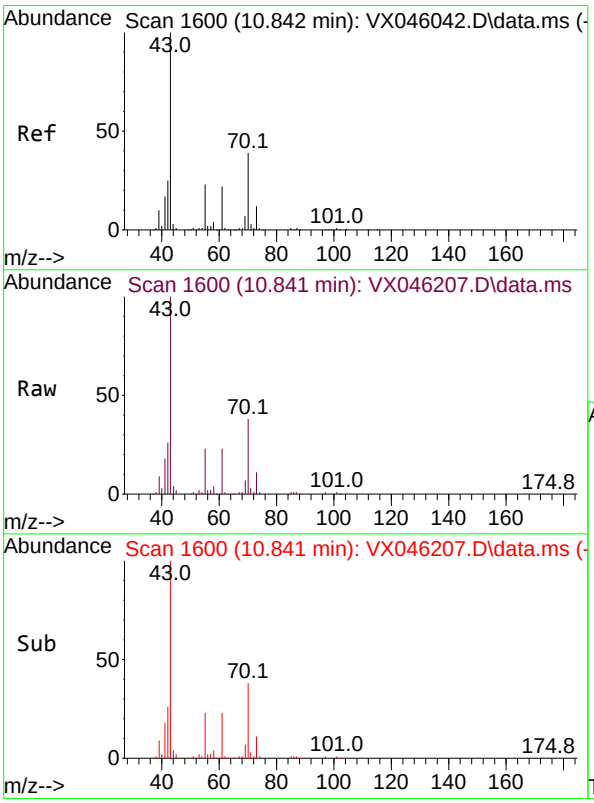
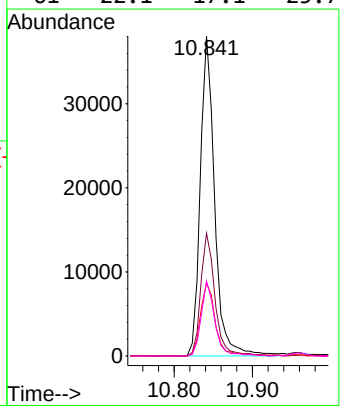


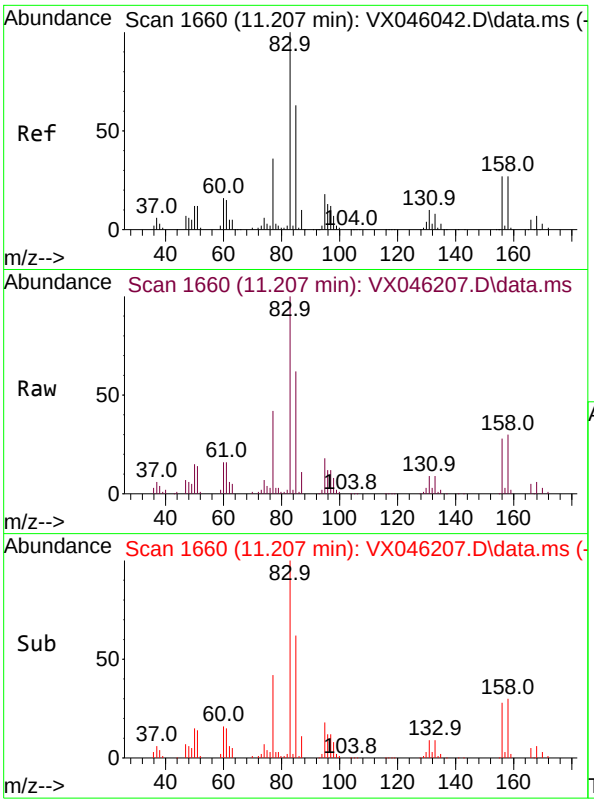


#74
N-amyl acetate
Concen: 19.897 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 48533

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.9	46.3
55	24.0	18.7	28.1
61	22.1	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.605 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 83 Resp: 3564

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	14.9
85	63.3	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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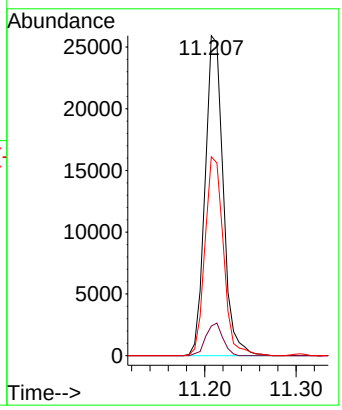
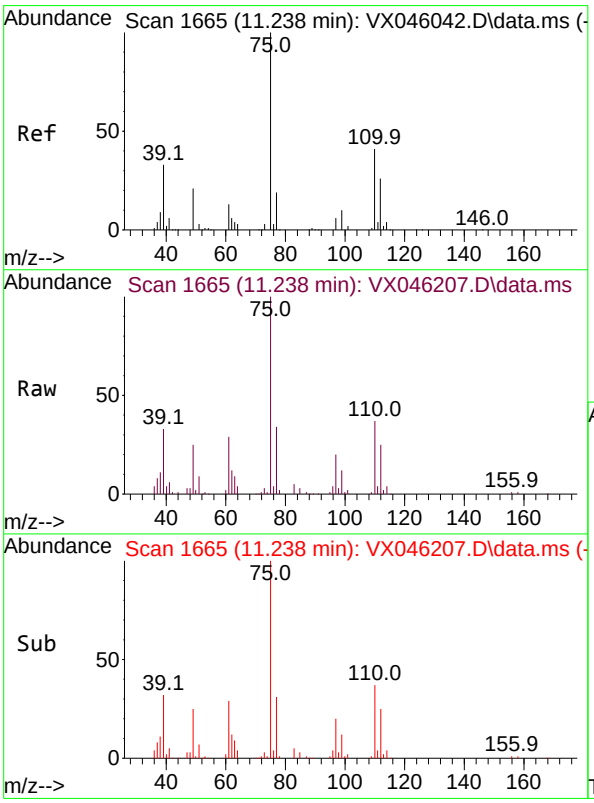
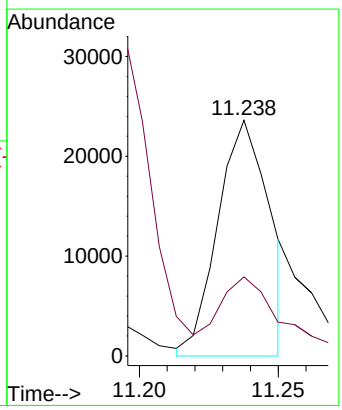


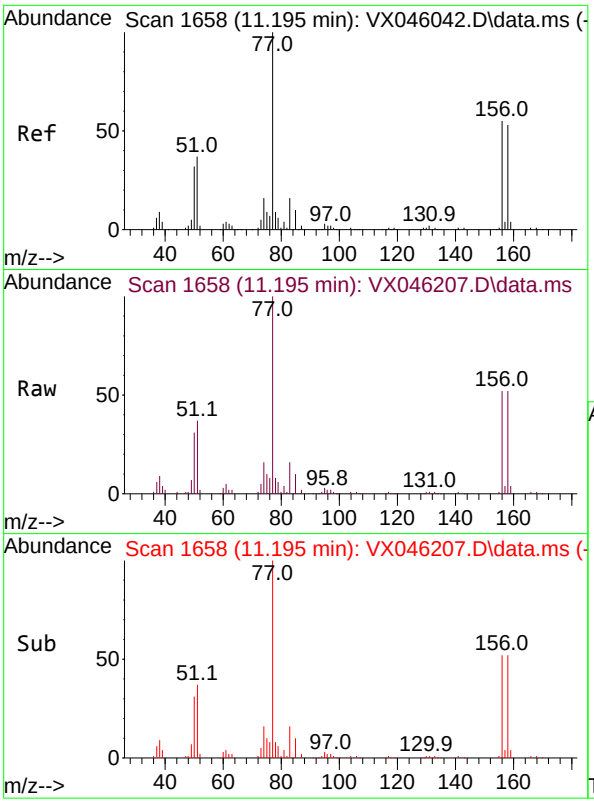


#76
1,2,3-Trichloropropane
Concen: 20.019 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 30553

Ion	Ratio	Lower	Upper
75	100		
77	41.2	20.5	61.5

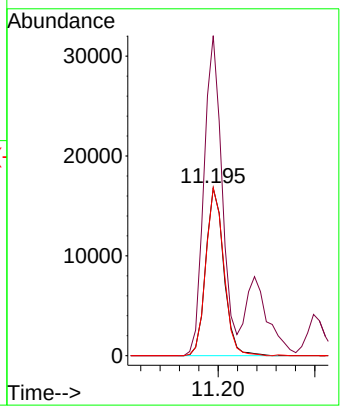




#77
Bromobenzene
Concen: 19.007 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:156 Resp: 2178

Ion	Ratio	Lower	Upper
156	100		
77	192.0	92.8	278.3
158	99.7	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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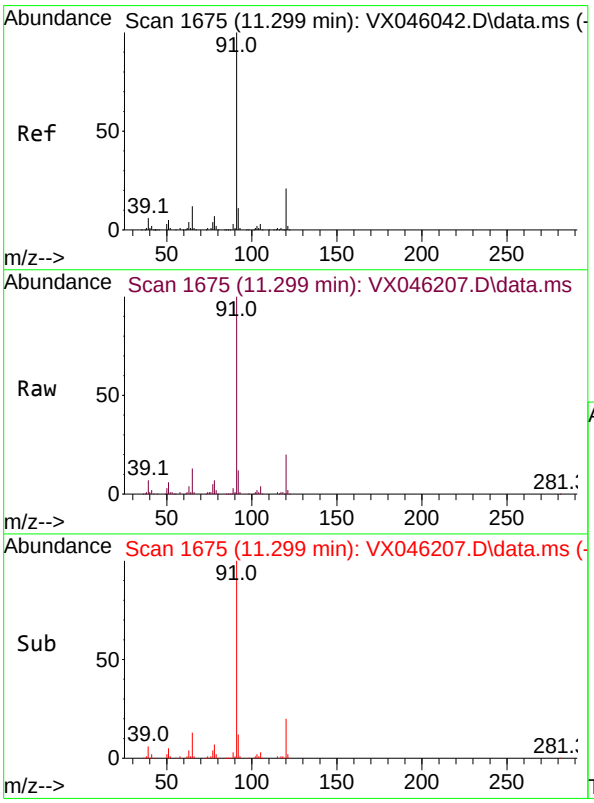
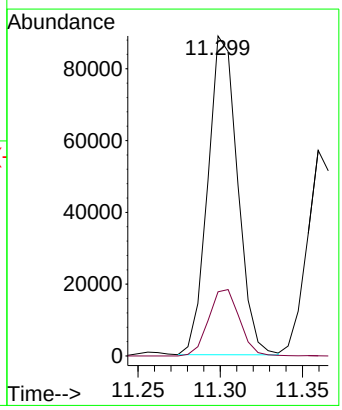
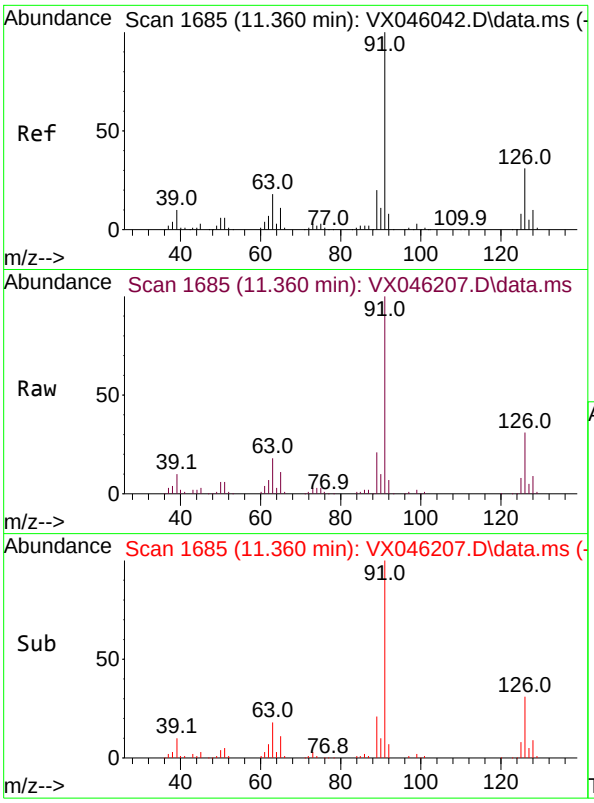


#78
n-propylbenzene
Concen: 19.472 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 91 Resp: 111762

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 19.366 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 91 Resp: 7169

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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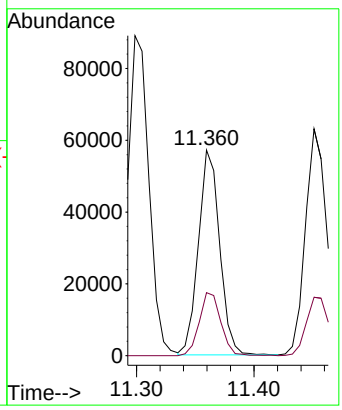
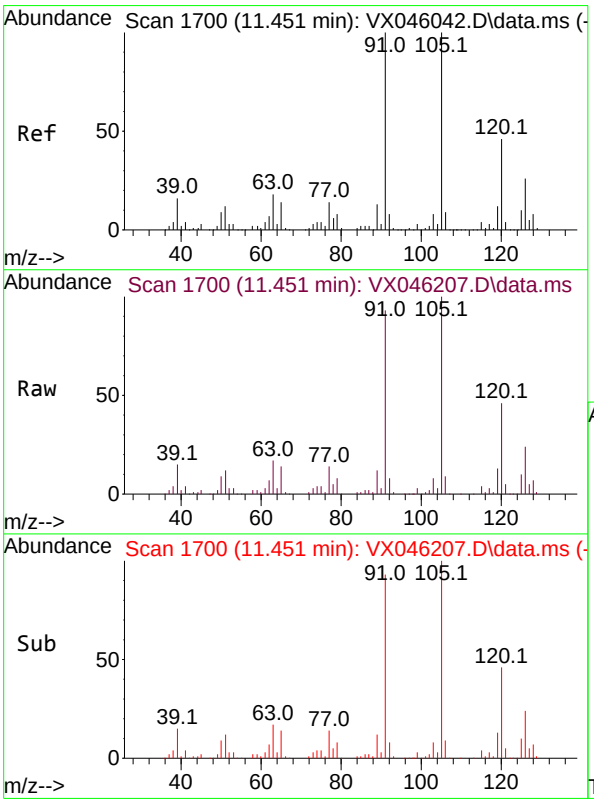
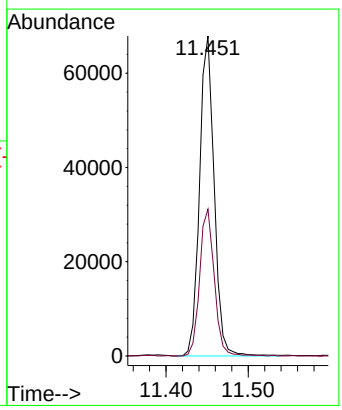


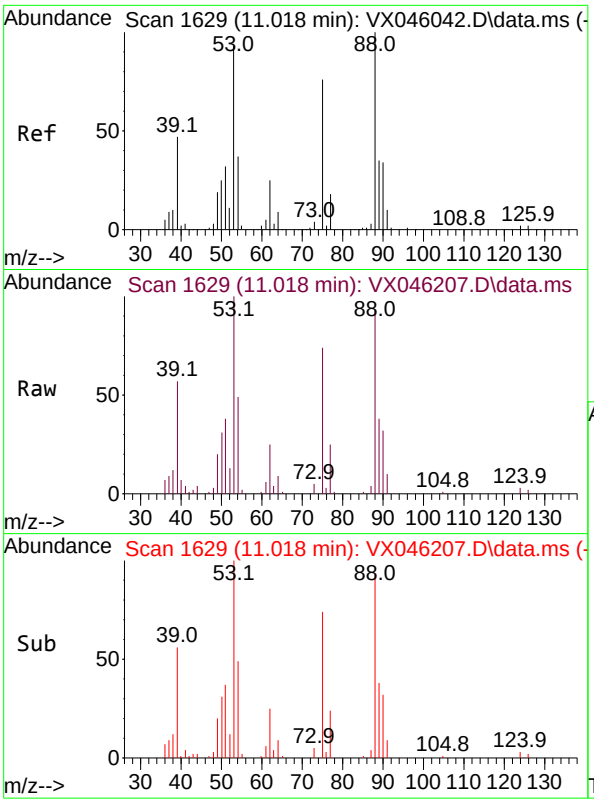


#80
1,3,5-Trimethylbenzene
Concen: 20.344 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:105 Resp: 83897

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 17.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 805

Ion	Ratio	Lower	Upper
75	100		
53	139.8	100.5	150.7
89	48.1	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
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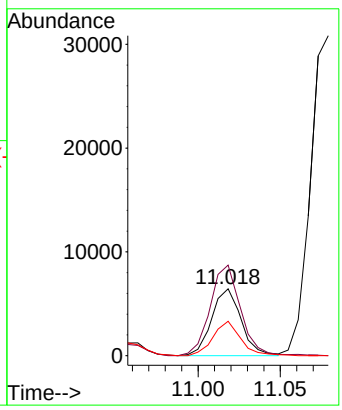
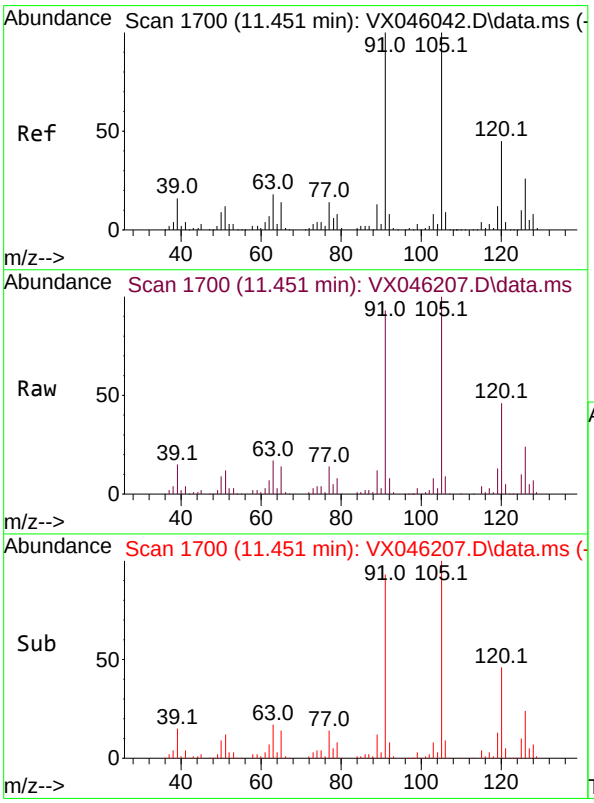
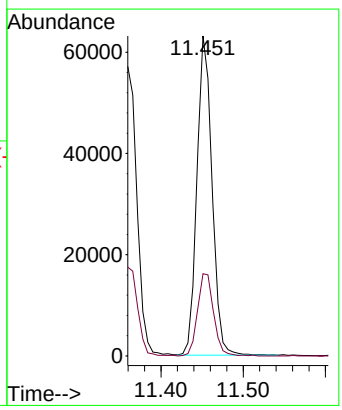


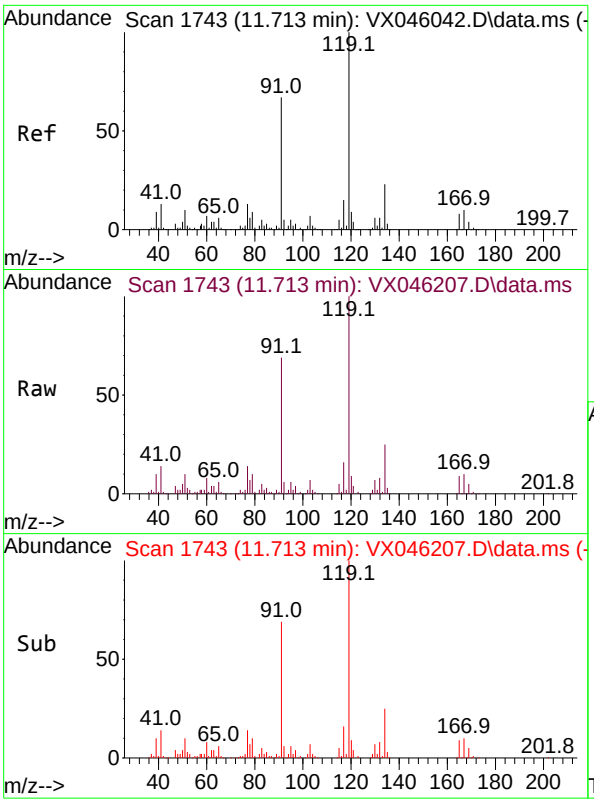


#82
4-Chlorotoluene
Concen: 19.668 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 91 Resp: 80748

Ion	Ratio	Lower	Upper
91	100		
126	27.5	13.3	39.8





#83
tert-Butylbenzene
Concen: 19.851 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:119 Resp: 8246

Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.9	98.7
134	23.7	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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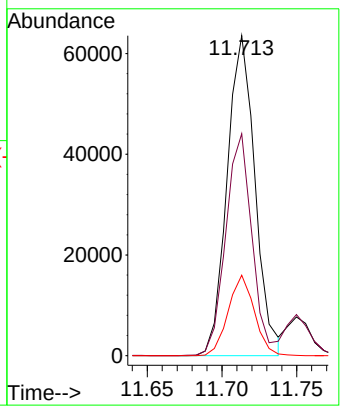
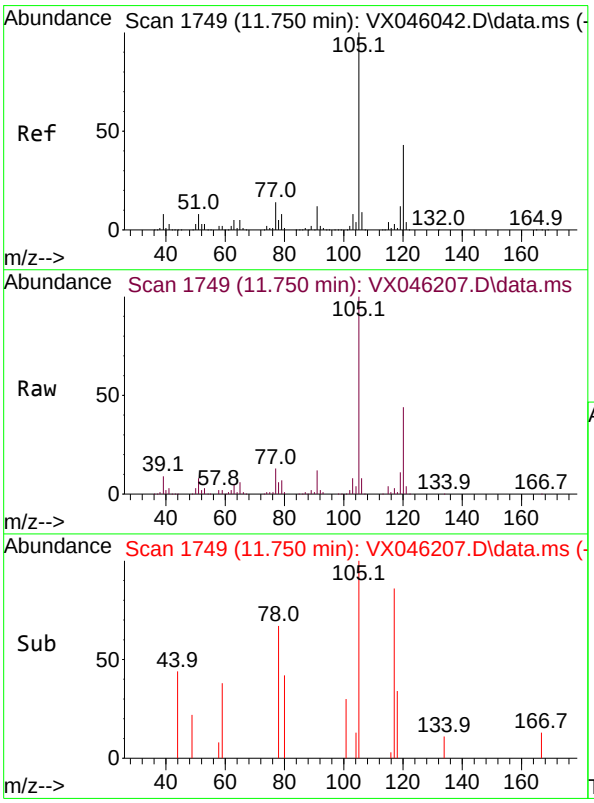
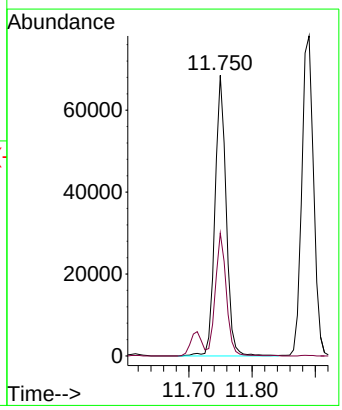


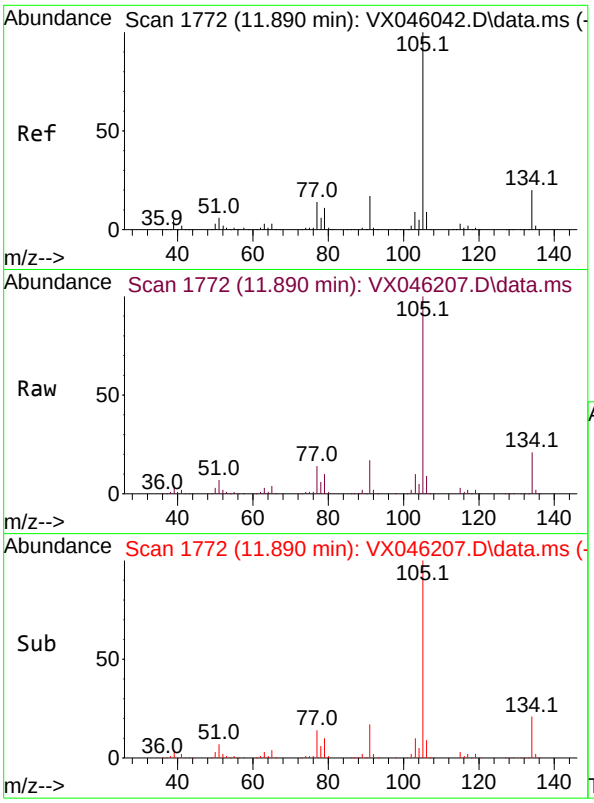


#84
1,2,4-Trimethylbenzene
Concen: 20.128 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:105 Resp: 84059

Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.2	63.6





#85
sec-Butylbenzene
Concen: 19.689 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:105 Resp: 10042

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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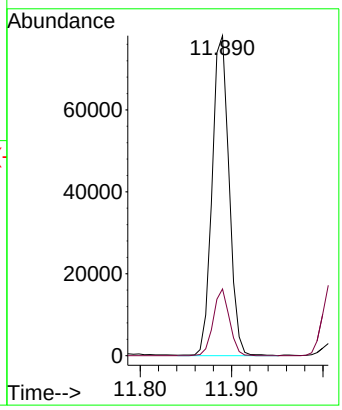
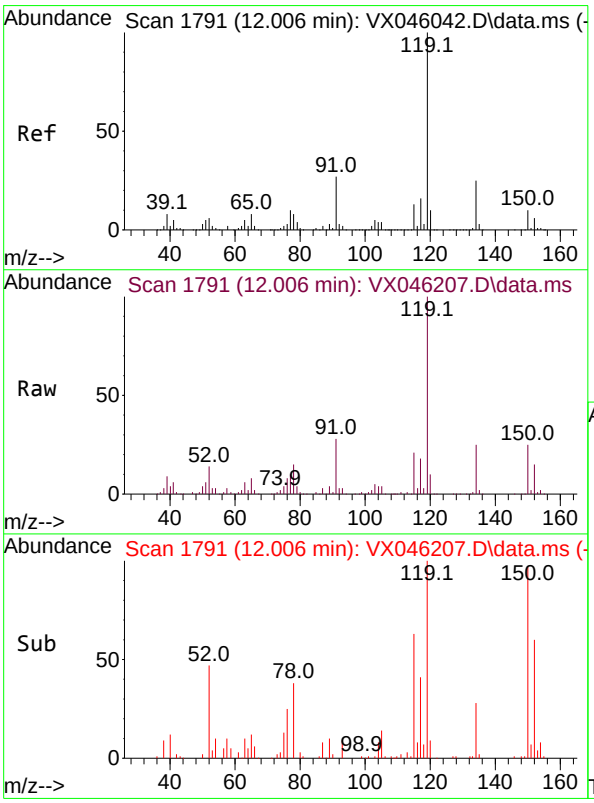
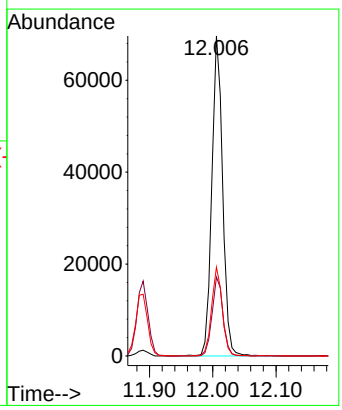


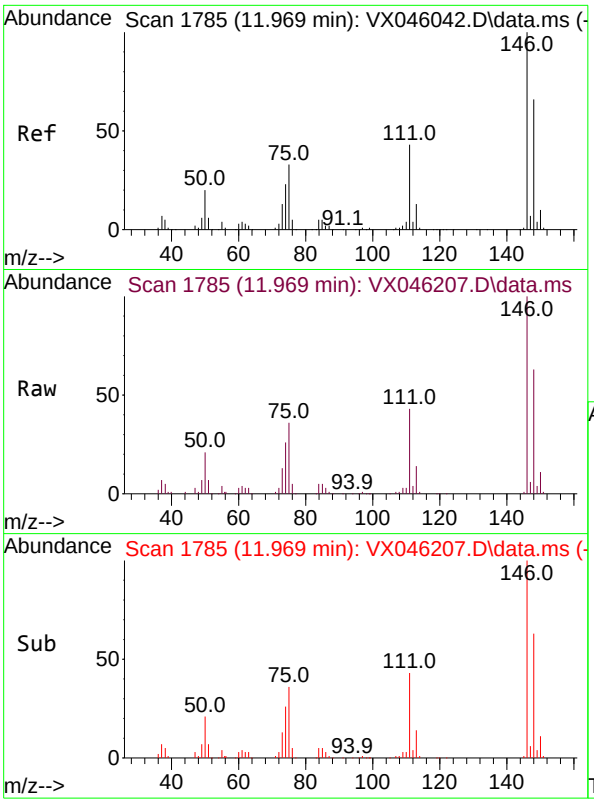


#86
p-Isopropyltoluene
Concen: 19.648 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:119 Resp: 82720

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.5	37.5
91	27.4	13.8	41.4





#87
1,3-Dichlorobenzene
Concen: 19.480 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:146 Resp: 4074

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.1	66.3
148	62.6	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

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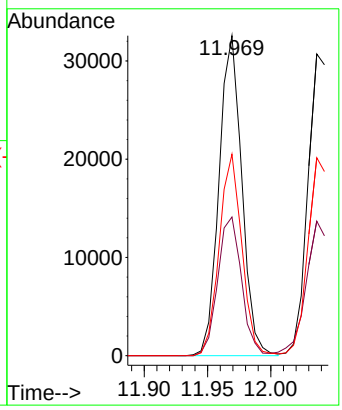
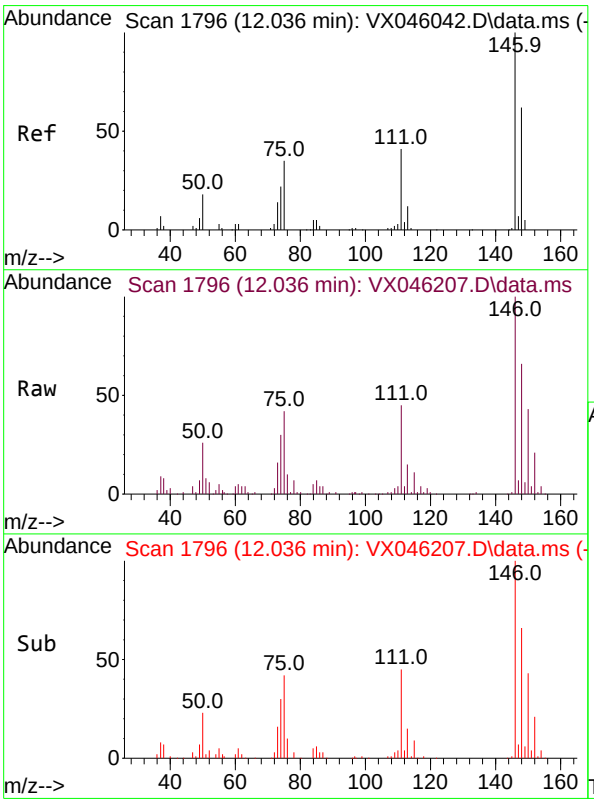
Supervised By :Mahesh Dadoda 05/16/2025

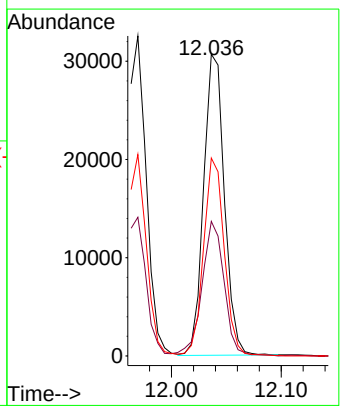


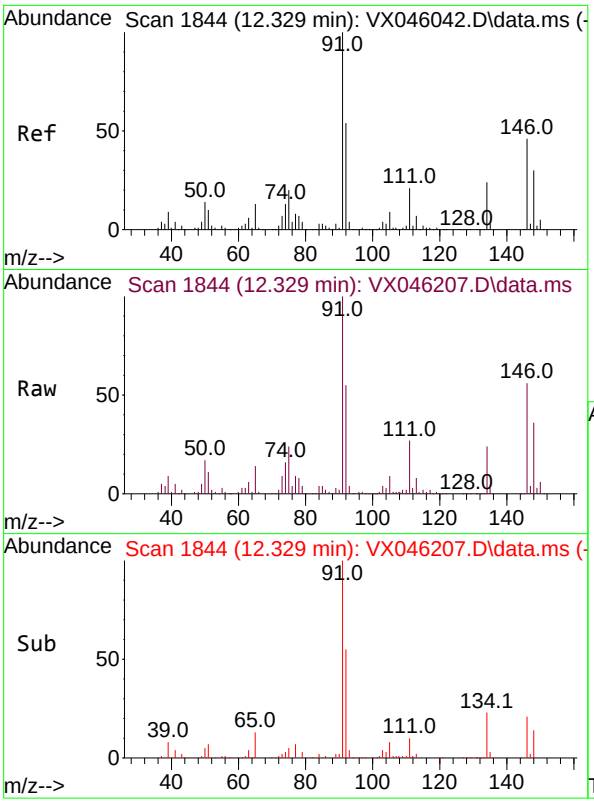


#88
1,4-Dichlorobenzene
Concen: 18.843 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:146 Resp: 40250

Ion	Ratio	Lower	Upper
146	100		
111	47.9	21.3	63.9
148	65.9	31.9	95.5

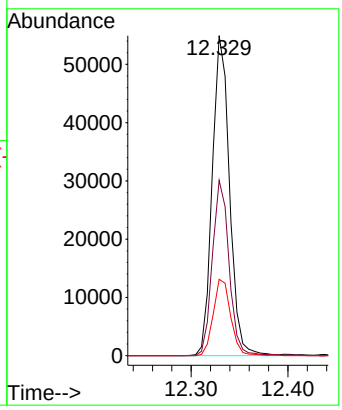




#89
n-Butylbenzene
Concen: 18.422 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 91 Resp: 6803

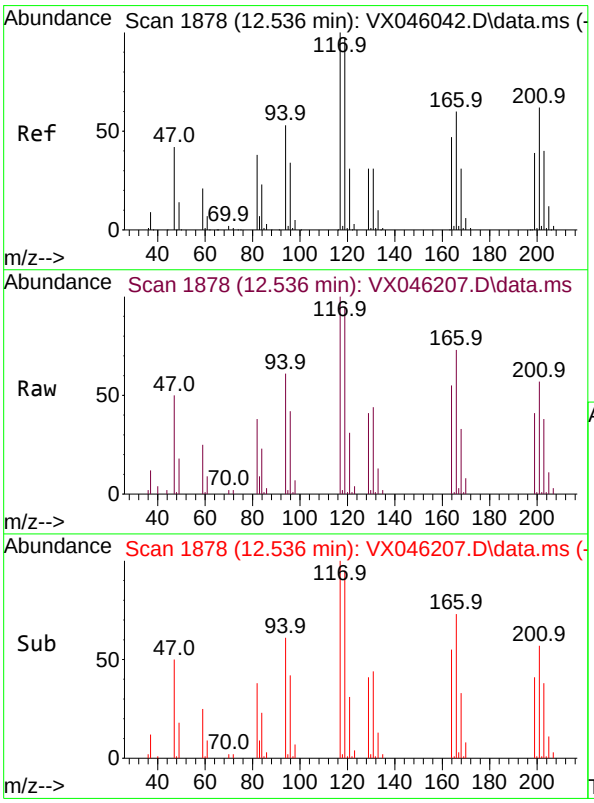
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	24.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

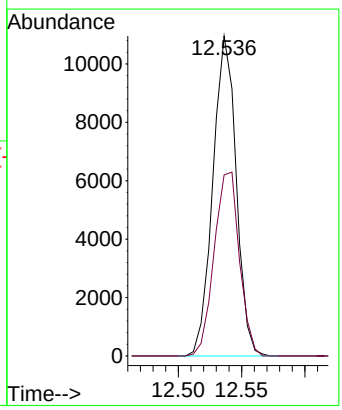
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

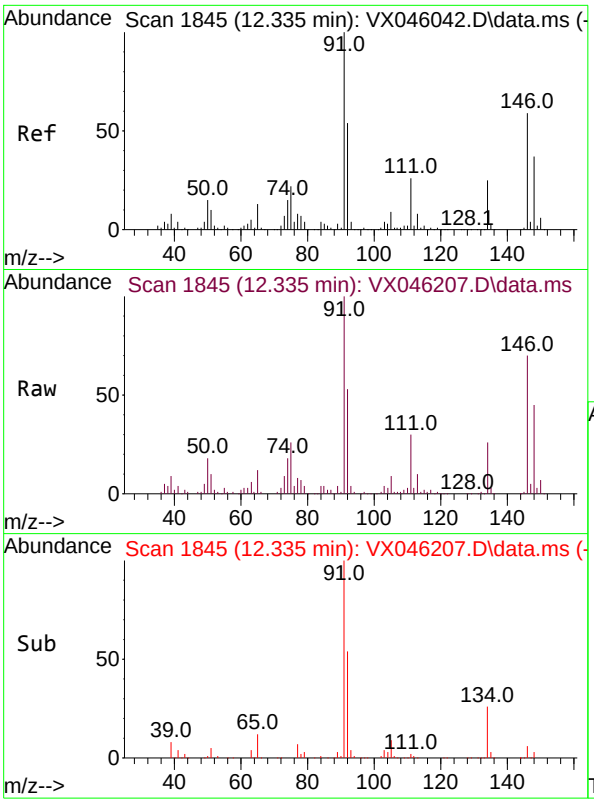


#90
Hexachloroethane
Concen: 18.900 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:117 Resp: 14018

Ion	Ratio	Lower	Upper
117	100		
201	62.3	31.6	94.7

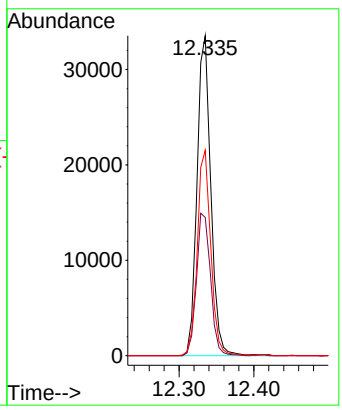




#91
1,2-Dichlorobenzene
Concen: 20.461 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:146 Resp: 4294

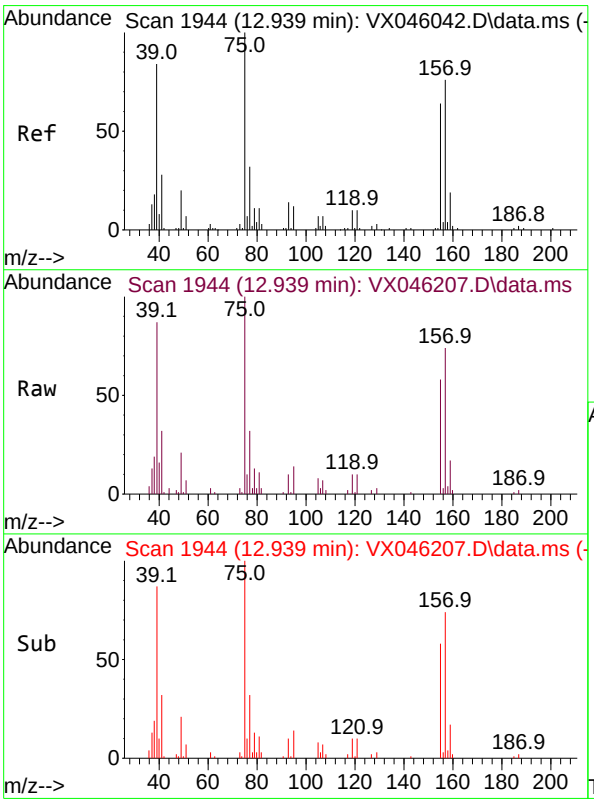
Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.4	67.3
148	62.7	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

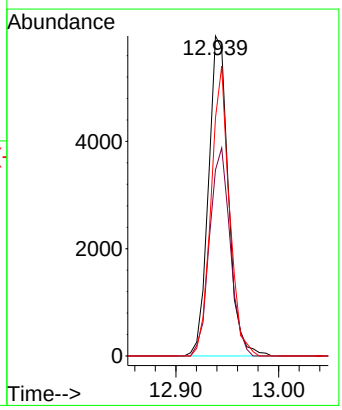
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

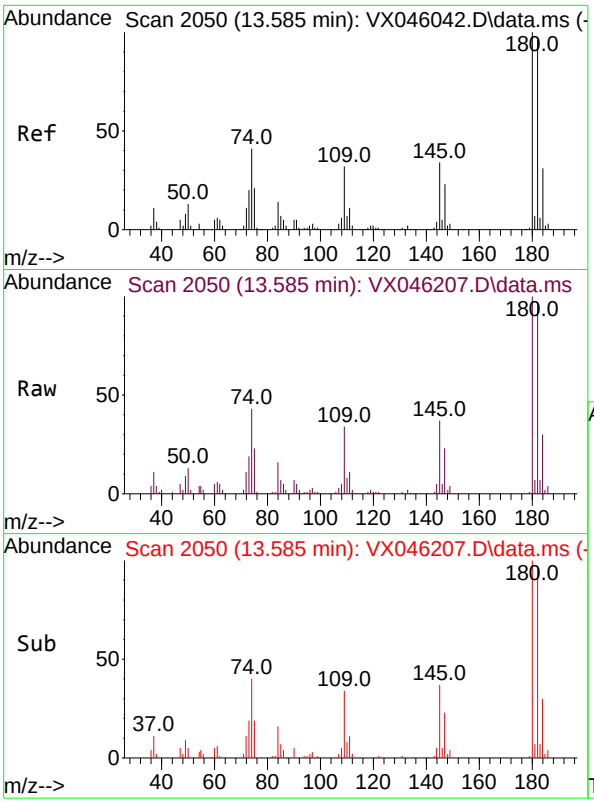


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.917 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 8016

Ion	Ratio	Lower	Upper
75	100		
155	67.1	34.9	104.8
157	83.7	43.8	131.4

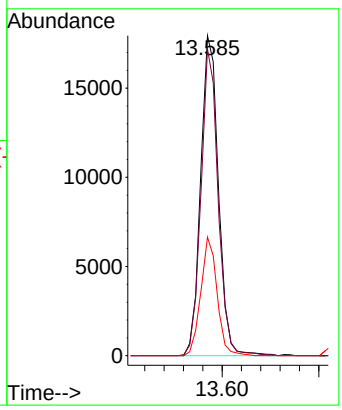




#93
1,2,4-Trichlorobenzene
Concen: 19.050 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:180 Resp: 2296

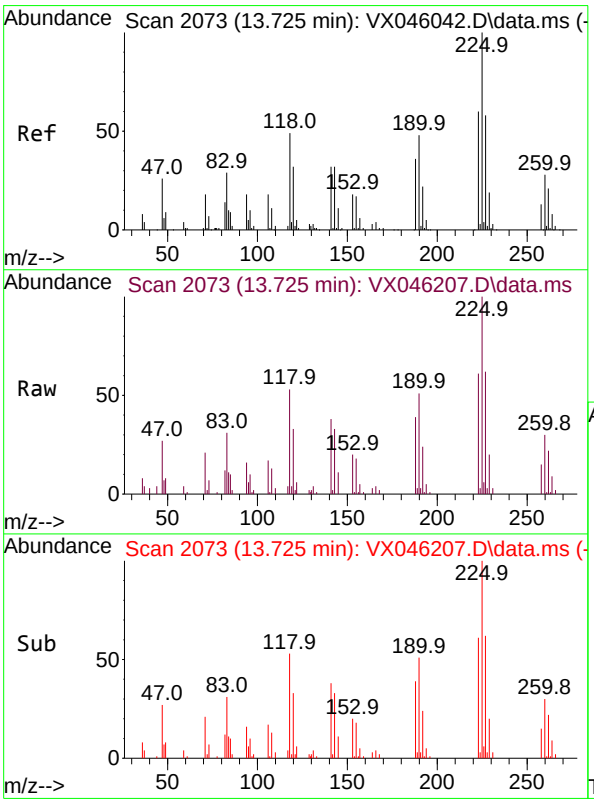
Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.8
145	34.0	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

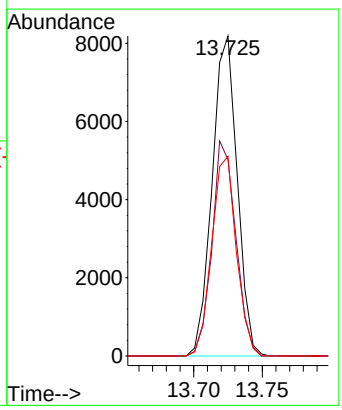
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

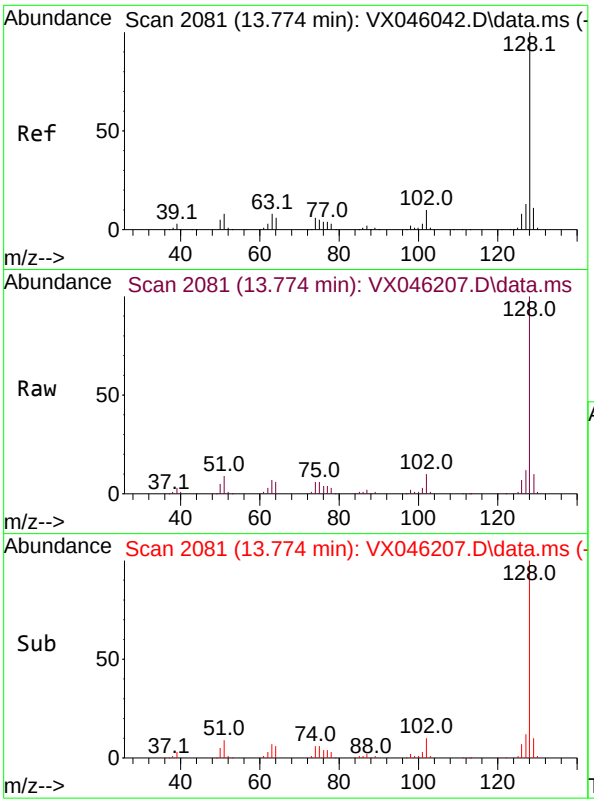


#94
Hexachlorobutadiene
Concen: 19.742 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:225 Resp: 10394

Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.8	92.4
227	61.6	30.9	92.7

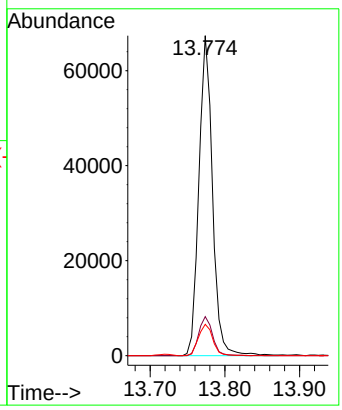




#95
Naphthalene
Concen: 19.227 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:128 Resp: 8501

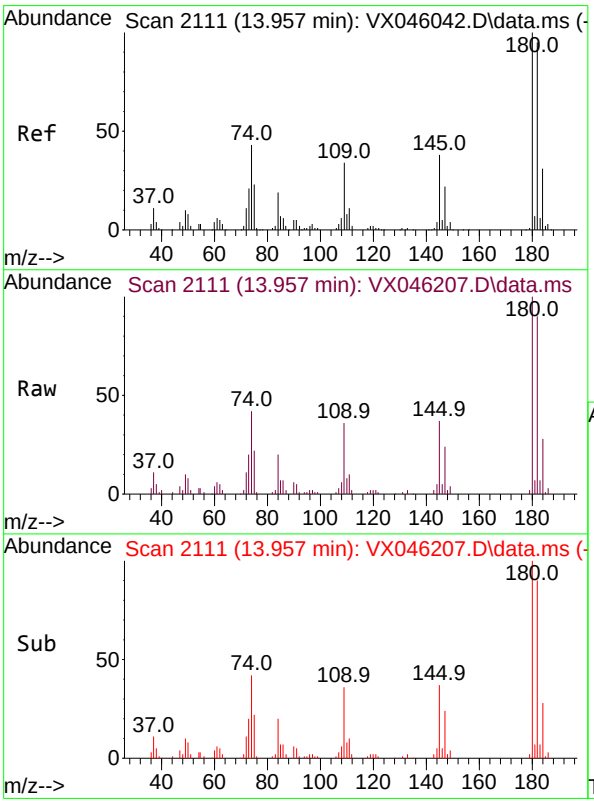
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	10.4	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Manual Integrations
APPROVED

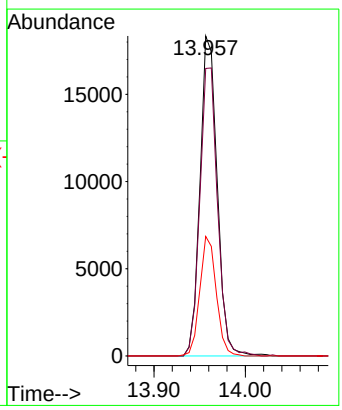
Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.329 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:180 Resp: 24043

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.3
145	35.7	18.1	54.3



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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
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

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

Manual Integration Report

Sequence:	VX051525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046200.D	1,2,3-Trichloropropane	sam	5/16/2025 8:30:42 AM	MMDadoda	5/16/2025 11:49:28 AM	Peak Integrated by Software
VX0515WBS01	VX046206.D	1,2,3-Trichloropropane	sam	5/16/2025 8:30:44 AM	MMDadoda	5/16/2025 11:49:29 AM	Peak Integrated by Software
VX0515WBSD01	VX046207.D	1,2,3-Trichloropropane	sam	5/16/2025 8:30:46 AM	MMDadoda	5/16/2025 11:49:31 AM	Peak Integrated by Software
VX0515WBSD01	VX046207.D	Methacrylonitrile	sam	5/16/2025 8:30:46 AM	MMDadoda	5/16/2025 11:49:31 AM	Peak Integrated by Software
VSTDCCC050	VX046226.D	1,2,3-Trichloropropane	sam	5/16/2025 8:30:49 AM	MMDadoda	5/16/2025 11:49:32 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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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051525

Review By	John Carlone	Review On	5/16/2025 9:22:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/16/2025 11:49:40 AM		
SubDirectory	VX051525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133928
Initial Calibration Stds	
CCC	VP133929,VP133930
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046199.D	15 May 2025 08:47	JC/MD	Ok
2	VSTDCCC050	VX046200.D	15 May 2025 09:52	JC/MD	Ok,M
3	VX0515MBL01	VX046201.D	15 May 2025 10:15	JC/MD	Ok
4	VX0515WBL01	VX046202.D	15 May 2025 10:38	JC/MD	Ok
5	Q2018-06	VX046203.D	15 May 2025 11:01	JC/MD	Ok
6	Q2032-11	VX046204.D	15 May 2025 11:25	JC/MD	Ok
7	Q2032-12	VX046205.D	15 May 2025 11:48	JC/MD	Ok
8	VX0515WBS01	VX046206.D	15 May 2025 12:11	JC/MD	Ok,M
9	VX0515WBSD01	VX046207.D	15 May 2025 12:38	JC/MD	Ok,M
10	Q2050-02	VX046208.D	15 May 2025 13:01	JC/MD	Ok
11	Q2050-01	VX046209.D	15 May 2025 13:24	JC/MD	Ok
12	Q2050-08	VX046210.D	15 May 2025 13:47	JC/MD	Ok
13	Q2050-03	VX046211.D	15 May 2025 14:11	JC/MD	Ok
14	Q2050-04	VX046212.D	15 May 2025 14:34	JC/MD	Ok
15	Q2050-05	VX046213.D	15 May 2025 14:58	JC/MD	Ok
16	Q2050-06	VX046214.D	15 May 2025 15:21	JC/MD	Ok
17	Q2050-07	VX046215.D	15 May 2025 15:44	JC/MD	Ok
18	Q2050-09	VX046216.D	15 May 2025 16:08	JC/MD	Ok
19	Q2019-04	VX046217.D	15 May 2025 16:31	JC/MD	Ok
20	Q2034-16	VX046218.D	15 May 2025 16:54	JC/MD	Ok
21	Q2034-20	VX046219.D	15 May 2025 17:18	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051525

Review By	John Carlone	Review On	5/16/2025 9:22:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/16/2025 11:49:40 AM		
SubDirectory	VX051525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133928
Initial Calibration Stds	
CCC	VP133929,VP133930
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2032-09	VX046220.D	15 May 2025 17:41	JC/MD	Ok
23	Q2034-04	VX046221.D	15 May 2025 18:04	JC/MD	Ok
24	Q2034-08	VX046222.D	15 May 2025 18:28	JC/MD	Ok
25	Q2034-12	VX046223.D	15 May 2025 18:51	JC/MD	Ok
26	Q2038-02	VX046224.D	15 May 2025 19:15	JC/MD	Ok
27	Q2043-05	VX046225.D	15 May 2025 19:38	JC/MD	Ok
28	VSTDCCC050	VX046226.D	15 May 2025 20:01	JC/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # 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

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051525

Review By	John Carlone	Review On	5/16/2025 9:22:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/16/2025 11:49:40 AM		
SubDirectory	VX051525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133928
Initial Calibration Stds	
CCC	VP133929,VP133930
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	VX046199.D	15 May 2025 08:47		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046200.D	15 May 2025 09:52	pH#Lot#V12668	JC/MD	Ok,M
3	VX0515MBL01	VX0515MBL01	VX046201.D	15 May 2025 10:15		JC/MD	Ok
4	VX0515WBL01	VX0515WBL01	VX046202.D	15 May 2025 10:38		JC/MD	Ok
5	Q2018-06	FB	VX046203.D	15 May 2025 11:01	vial B pH<2 FB	JC/MD	Ok
6	Q2032-11	FB-05132025	VX046204.D	15 May 2025 11:25	vial B pH<2 FB	JC/MD	Ok
7	Q2032-12	TB	VX046205.D	15 May 2025 11:48	vial B pH<2 TB	JC/MD	Ok
8	VX0515WBS01	VX0515WBS01	VX046206.D	15 May 2025 12:11		JC/MD	Ok,M
9	VX0515WBSD01	VX0515WBSD01	VX046207.D	15 May 2025 12:38		JC/MD	Ok,M
10	Q2050-02	BP-VPB-182-GW-60-62	VX046208.D	15 May 2025 13:01	vial A pH<2	JC/MD	Ok
11	Q2050-01	BP-VPB-182-TB-20250	VX046209.D	15 May 2025 13:24	vial A pH<2 TB	JC/MD	Ok
12	Q2050-08	BP-VPB-182-EB-20250	VX046210.D	15 May 2025 13:47	vial A pH<2 EB	JC/MD	Ok
13	Q2050-03	BP-VPB-182-GW-100-1	VX046211.D	15 May 2025 14:11	vial A pH<2	JC/MD	Ok
14	Q2050-04	BP-VPB-182-GW-150-1	VX046212.D	15 May 2025 14:34	vial A pH<2	JC/MD	Ok
15	Q2050-05	BP-VPB-182-GW-205-2	VX046213.D	15 May 2025 14:58	vial A pH<2	JC/MD	Ok
16	Q2050-06	BP-VPB-182-GW-220-2	VX046214.D	15 May 2025 15:21	vial A pH<2	JC/MD	Ok
17	Q2050-07	BP-VPB-182-DUP-2025	VX046215.D	15 May 2025 15:44	vial A pH<2	JC/MD	Ok
18	Q2050-09	BP-VPB-182-GW-240-2	VX046216.D	15 May 2025 16:08	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051525

Review By	John Carlone	Review On	5/16/2025 9:22:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/16/2025 11:49:40 AM		
SubDirectory	VX051525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133928
Initial Calibration Stds	
CCC	VP133929,VP133930
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2019-04	MH-K	VX046217.D	15 May 2025 16:31	vial A pH#5.0	JC/MD	Ok
20	Q2034-16	L3-WC-4	VX046218.D	15 May 2025 16:54	vial A pH#5.0	JC/MD	Ok
21	Q2034-20	L3-WC-5	VX046219.D	15 May 2025 17:18	vial A pH#5.0	JC/MD	Ok
22	Q2032-09	COMP-1	VX046220.D	15 May 2025 17:41	vial A pH#5.0	JC/MD	Ok
23	Q2034-04	L3-WC-1	VX046221.D	15 May 2025 18:04	vial A pH#5.0	JC/MD	Ok
24	Q2034-08	L3-WC-2	VX046222.D	15 May 2025 18:28	vial A pH#5.0	JC/MD	Ok
25	Q2034-12	L3-WC-3	VX046223.D	15 May 2025 18:51	vial A pH#5.0	JC/MD	Ok
26	Q2038-02	72-11991	VX046224.D	15 May 2025 19:15	vial A pH#5.0	JC/MD	Ok
27	Q2043-05	3139	VX046225.D	15 May 2025 19:38	vial A pH<2 sample oily,smelly	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX046226.D	15 May 2025 20:01		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q2050

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX051525,

Standard ID :
VP131746,VP131767,VP132035,VP132096,VP133174,VP133758,VP133887,VP133928,VP133929,VP133930,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14289,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14614,V14615,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
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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
589	BFB TUNE CHECK	VP133928	05/15/2025	05/16/2025	John Carlone	None	None	Mahesh Dadoda 05/17/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133929	05/15/2025	05/16/2025	John Carlone	None	None	Mahesh Dadoda 05/17/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of 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	VP133930	05/15/2025	05/16/2025	John Carlone	None	None	Mahesh Dadoda 05/17/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of 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 #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14526

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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 #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	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

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
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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 846mg/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	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

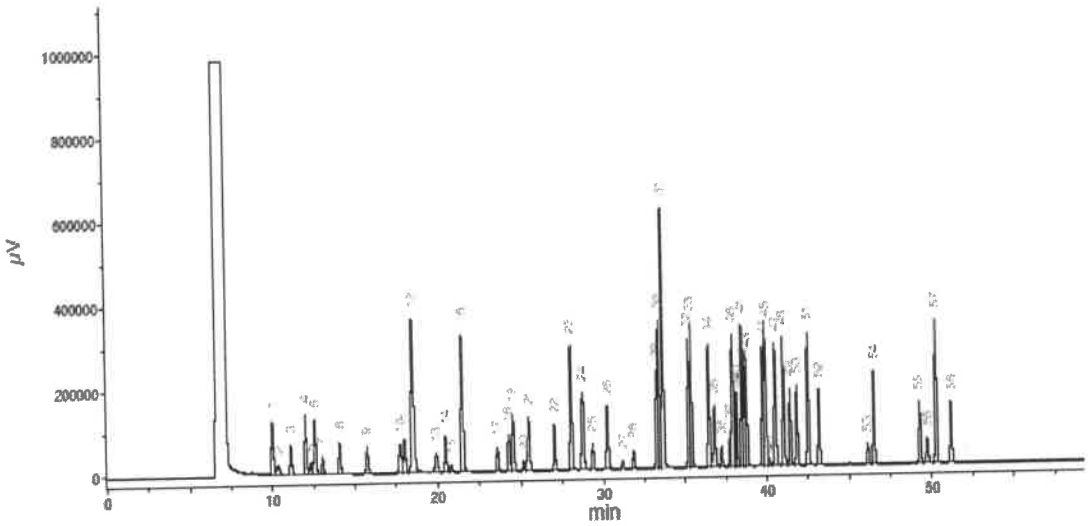
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	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))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

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 846mg/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	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

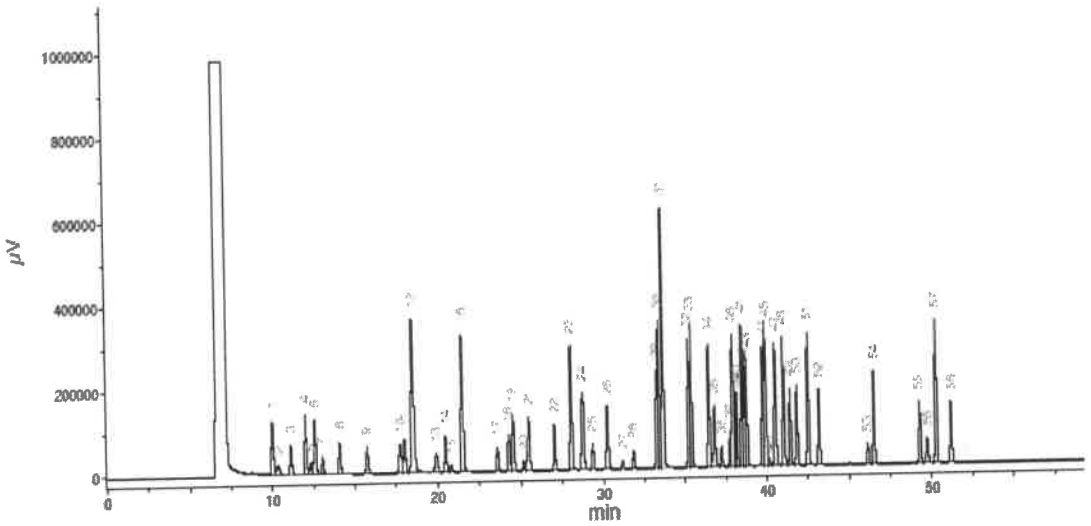
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	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))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 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

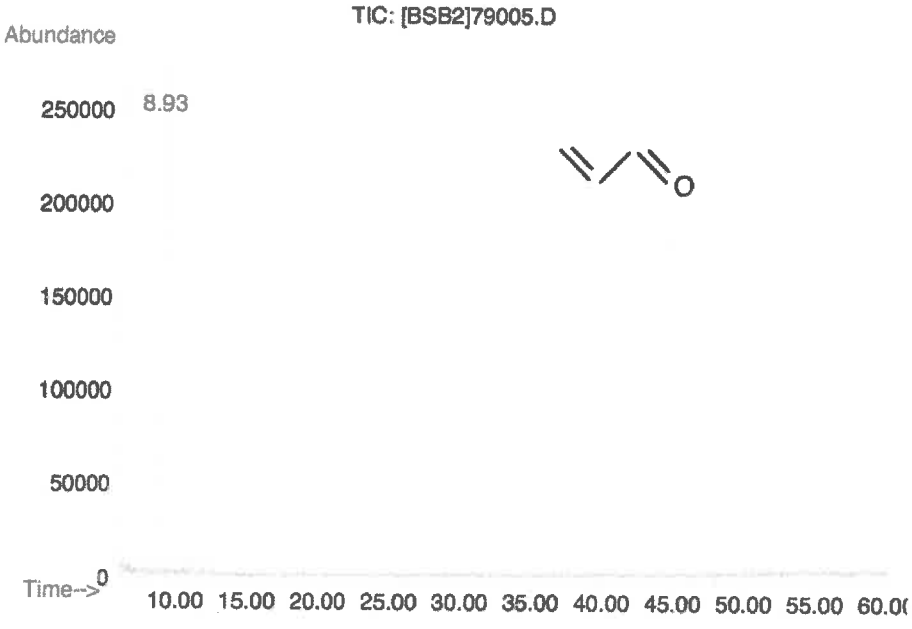
V14914 10
V14918

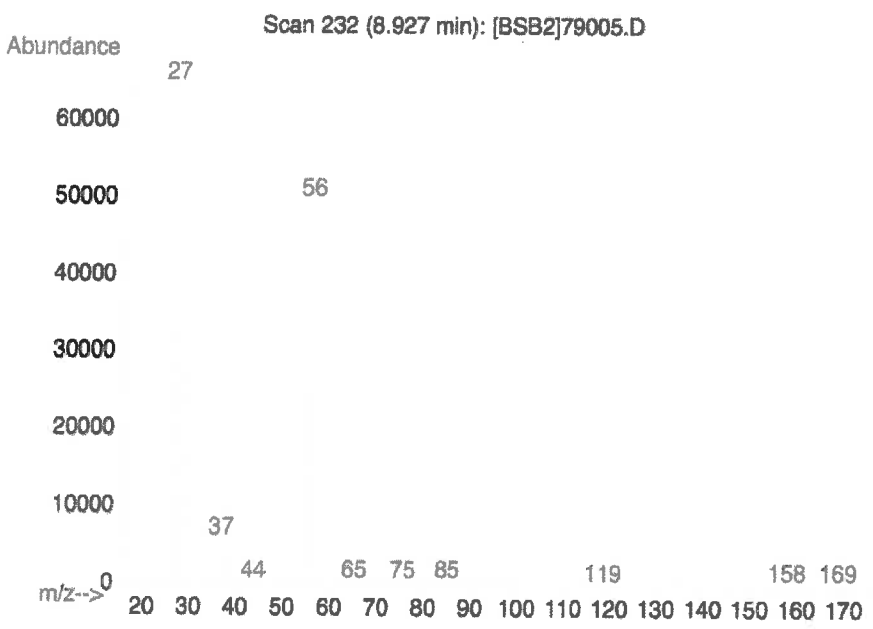
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
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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

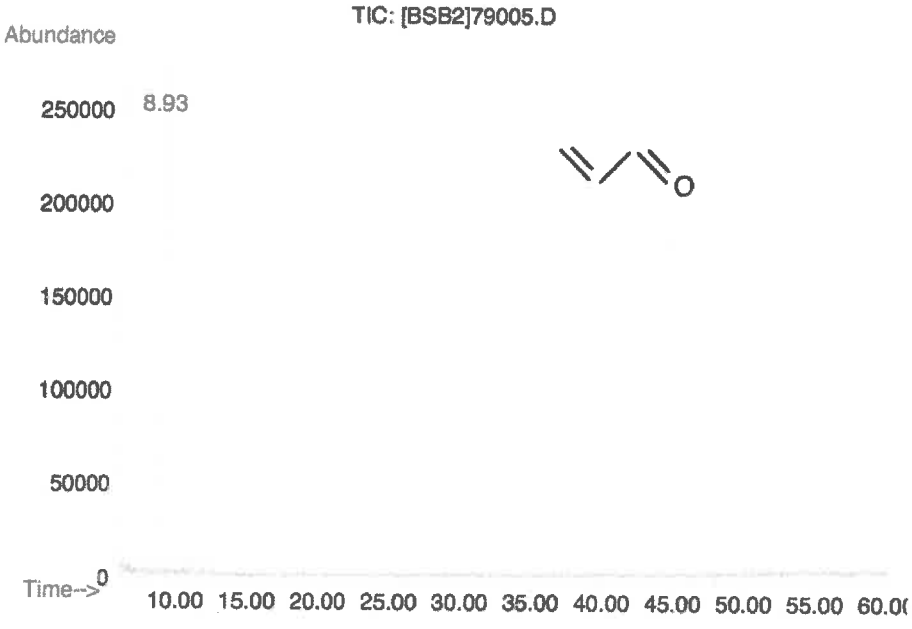
V14914 10
V14918

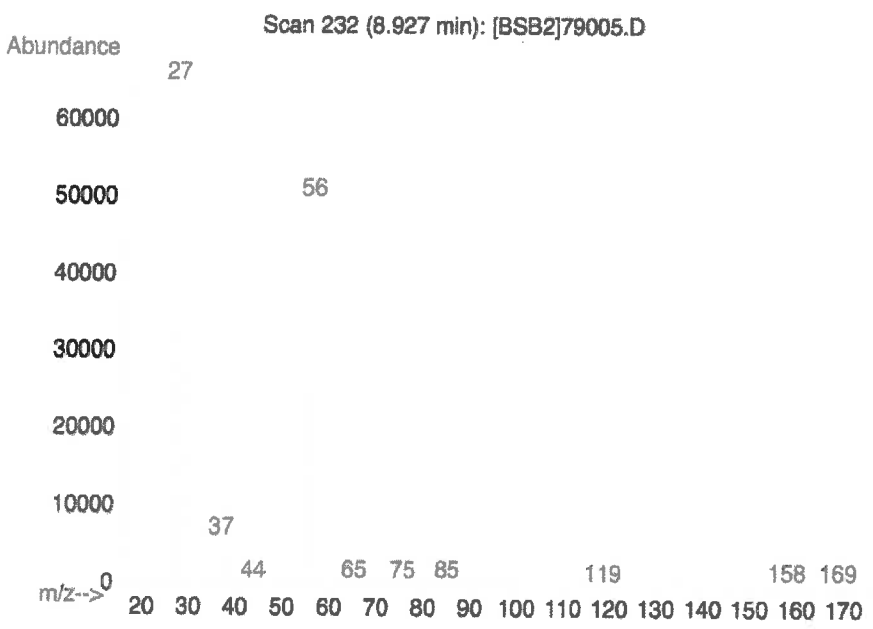
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.
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Rev 1.0, 2/25/2025

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

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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.

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Certified Reference Material CRM

Rec 04/24/25 5 N 104

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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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

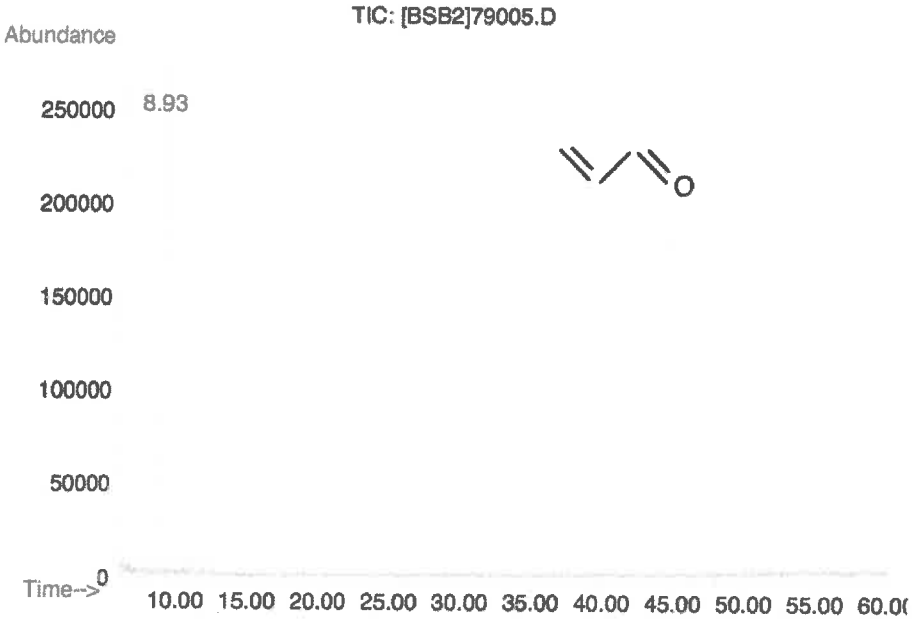
V14914 10
V14918

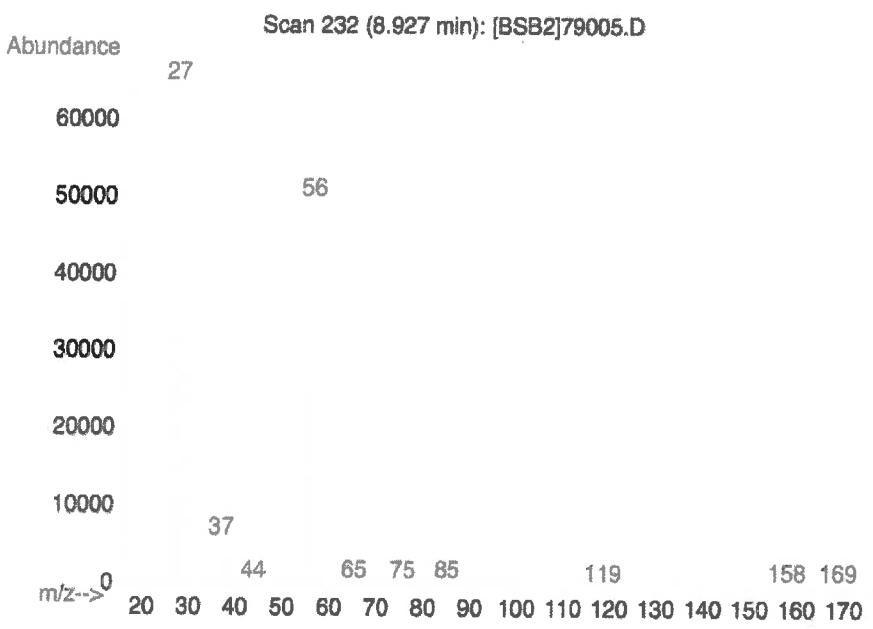
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
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

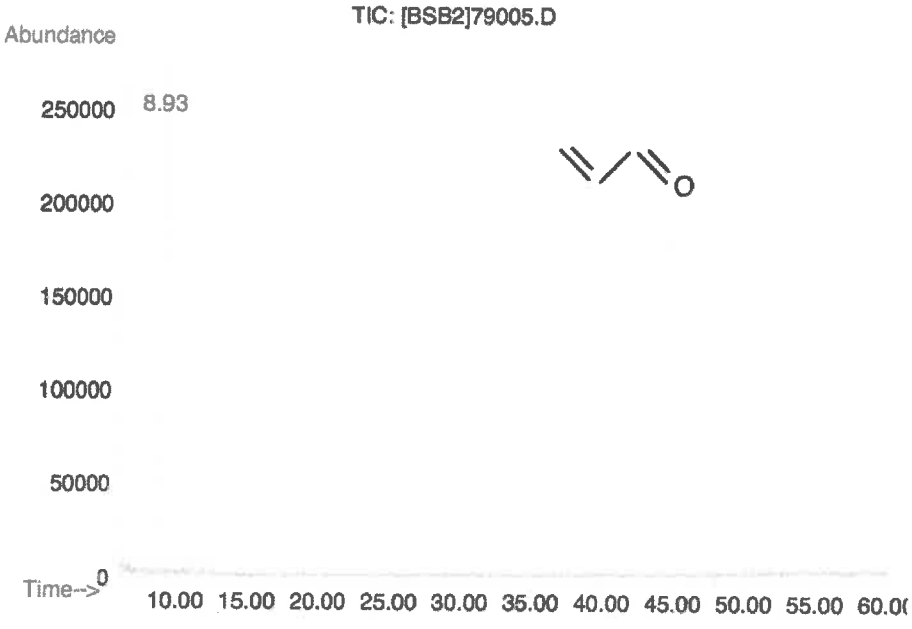
V14914 10
V14918

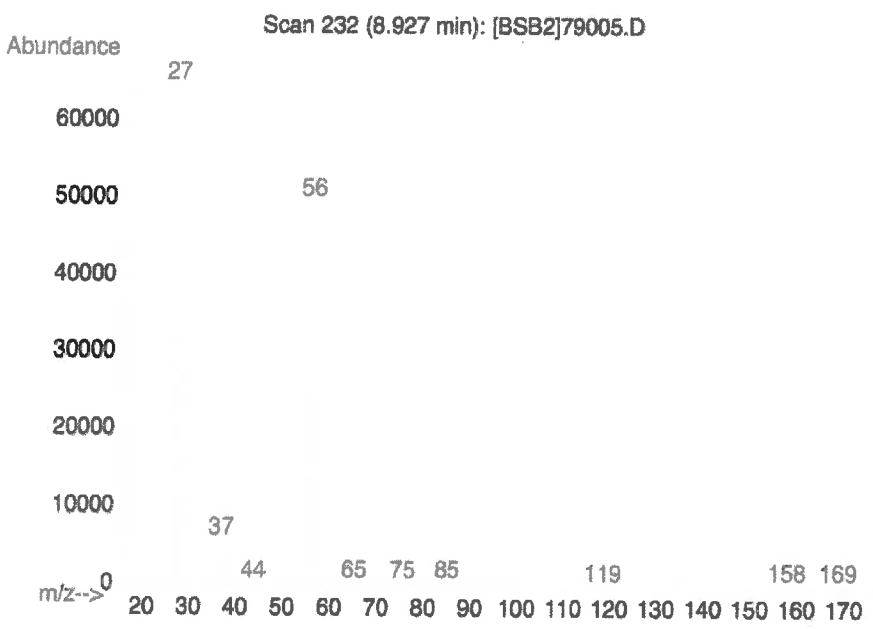
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.





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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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

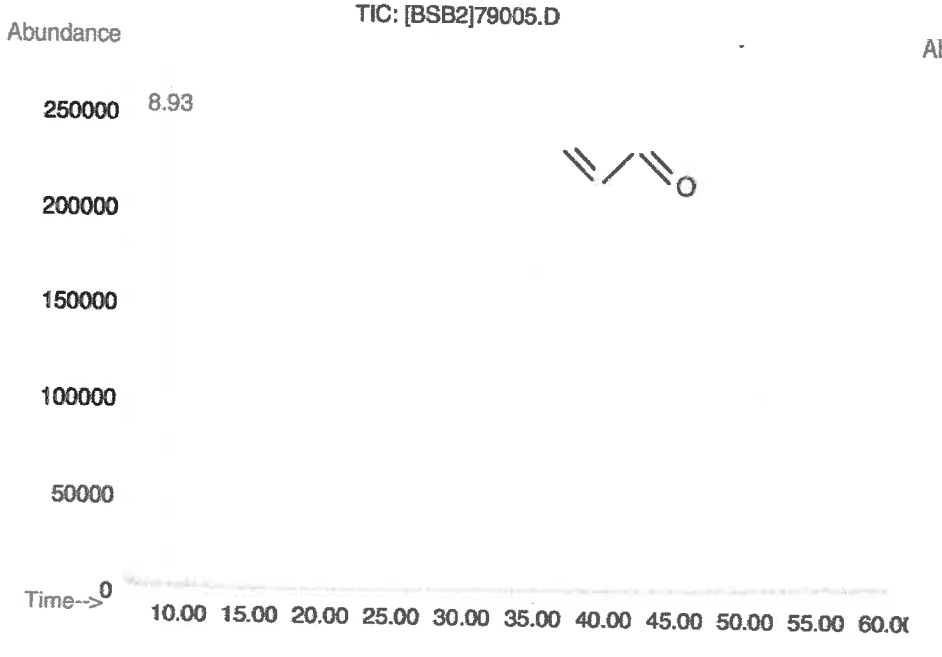
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

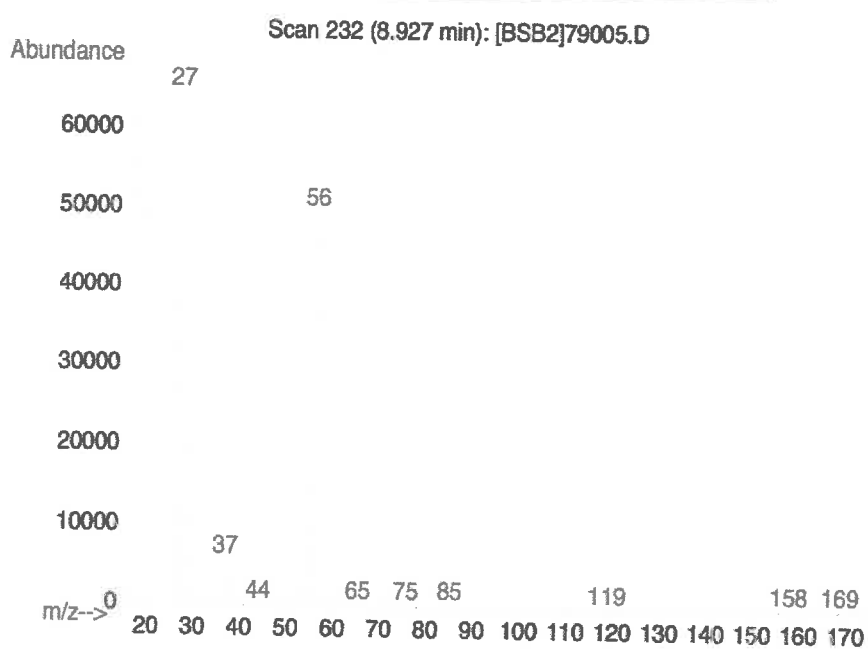
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 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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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

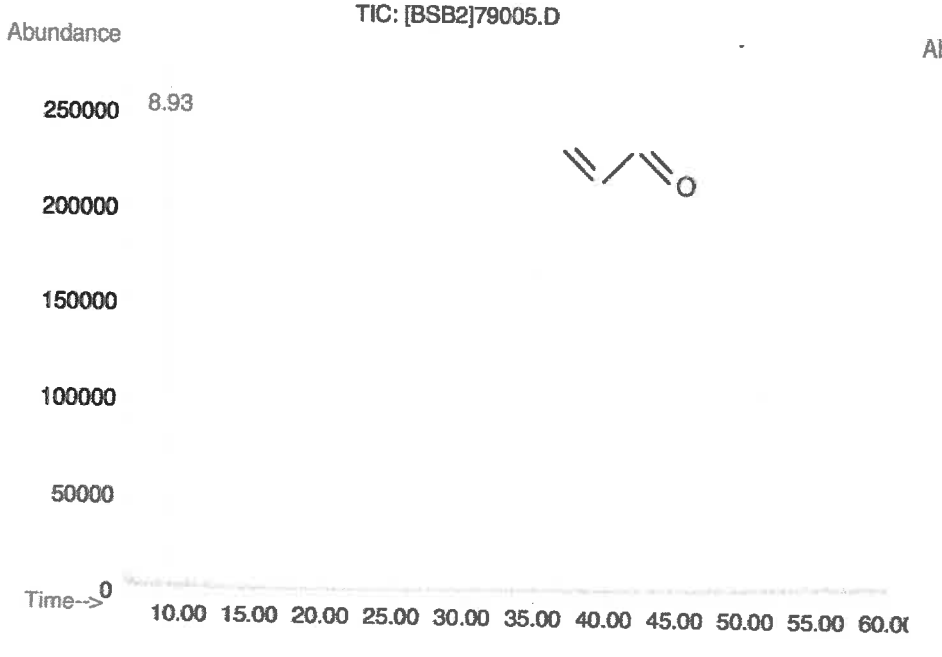
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

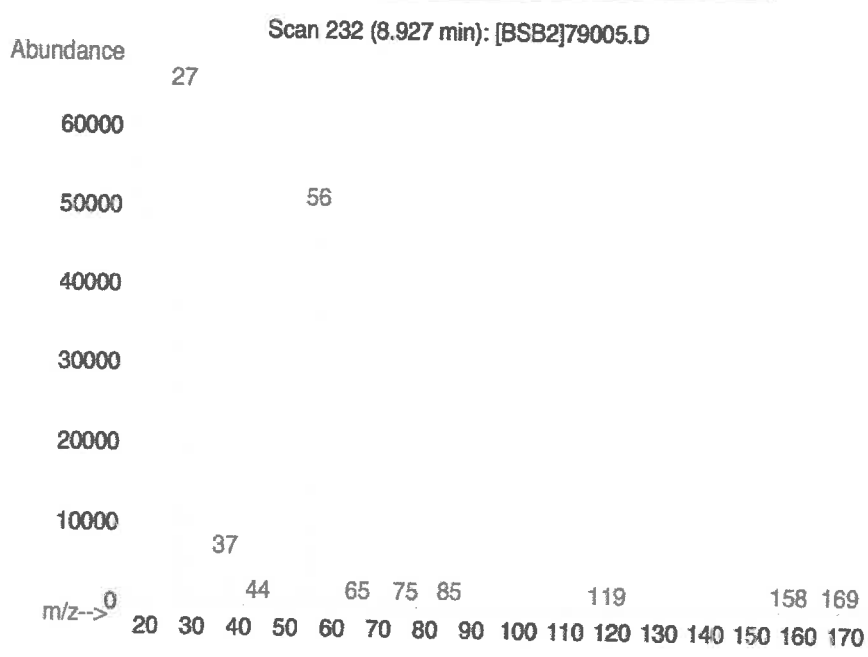
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 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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Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

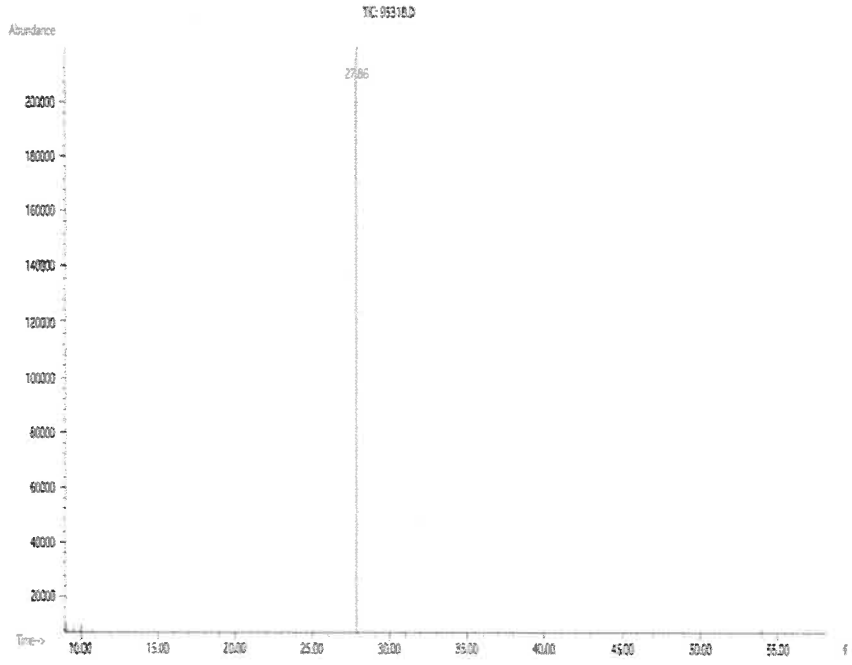
V14630 to V14649

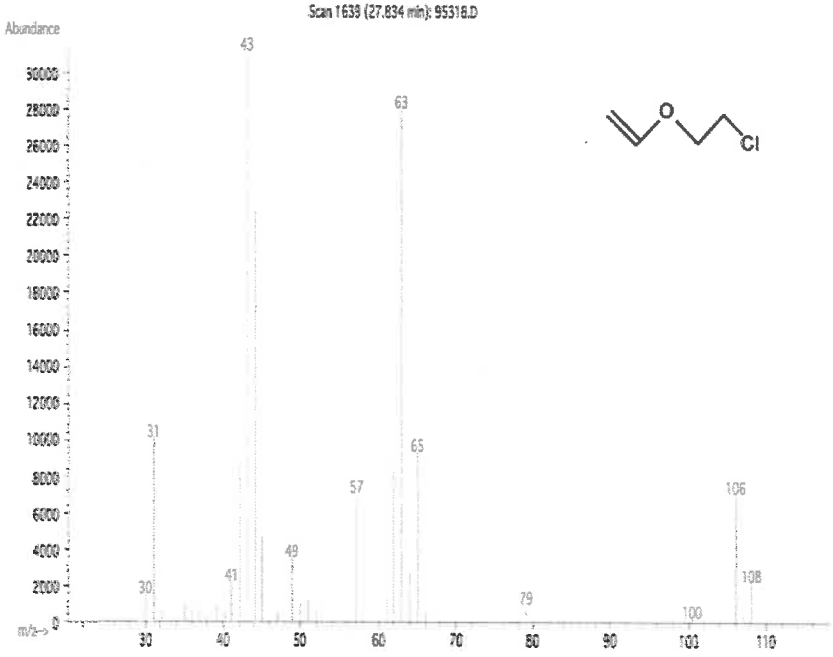
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

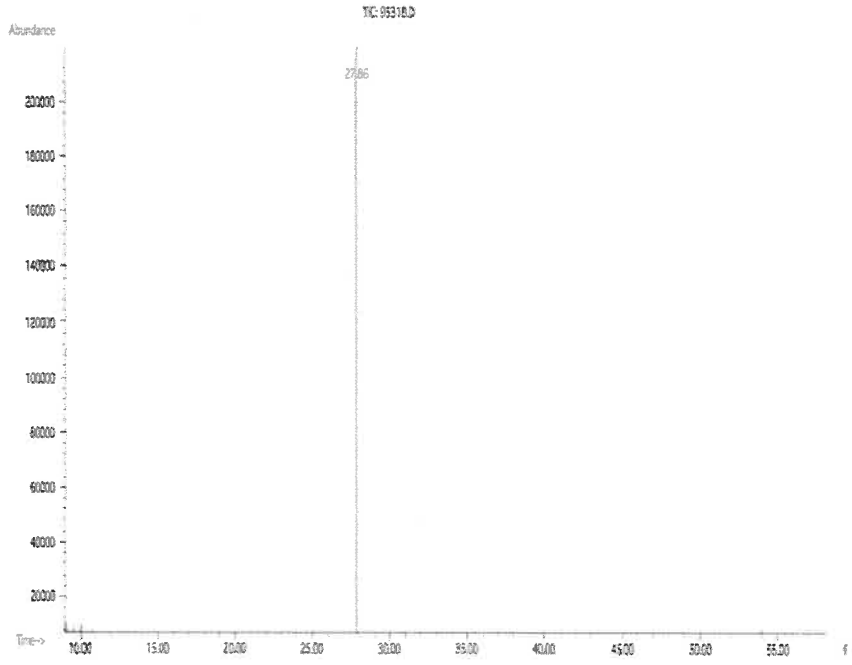
V14630 to V14649

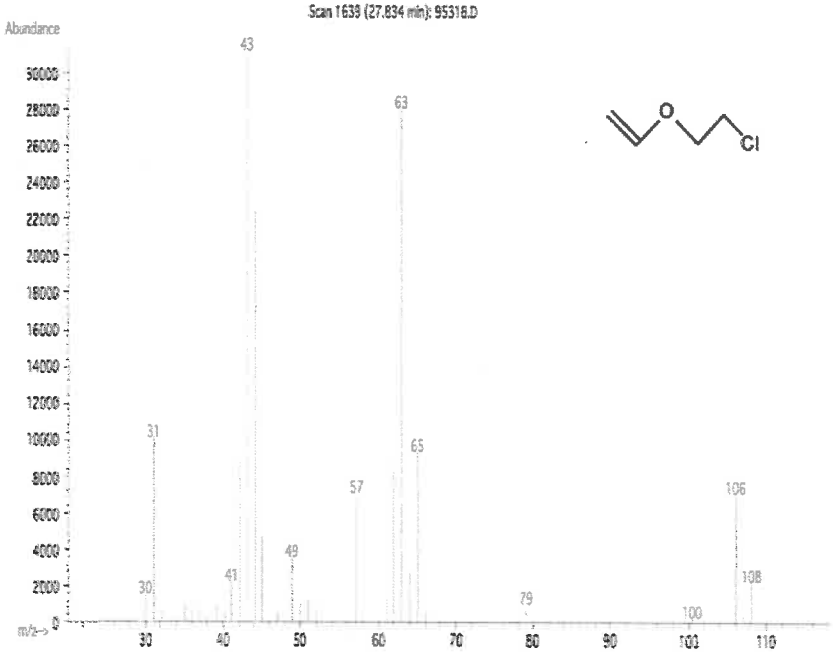
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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.
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Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
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LC50	15,400 mg/l - 96 h
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EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

V14630 to V14649

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
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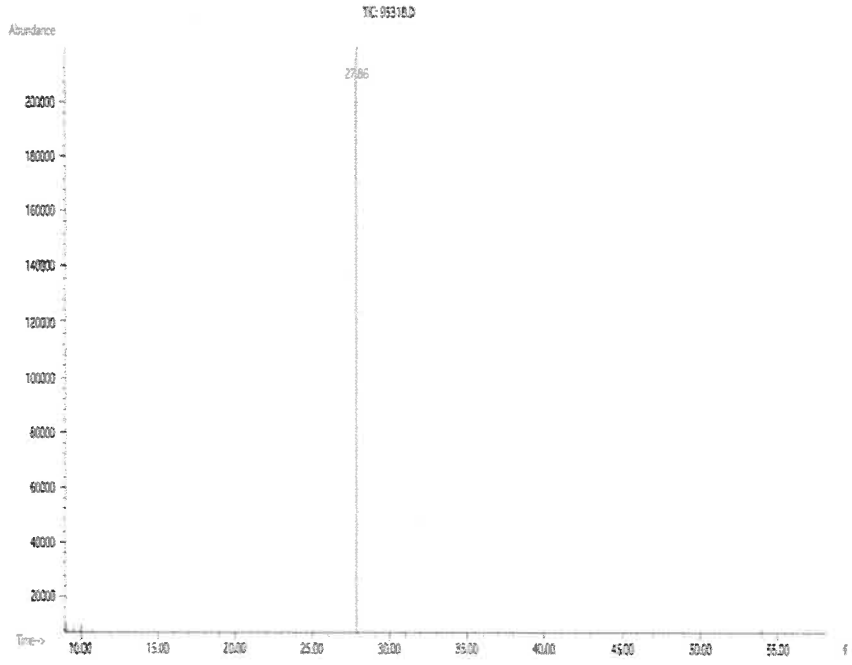

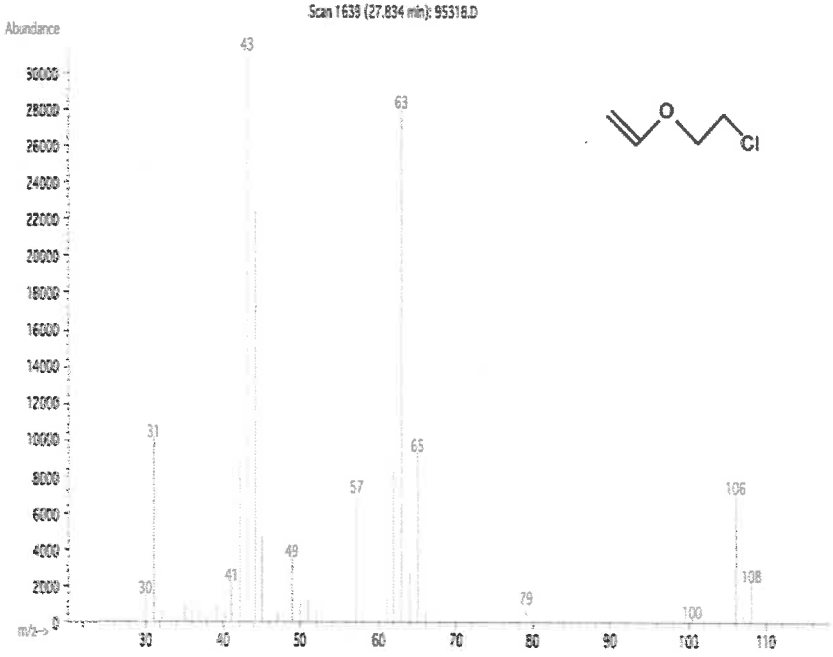

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UN number: 1230 Class: 3 Packing group: II
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V14630 to V14649

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Formulated By:	Prashant Chauhan	120524 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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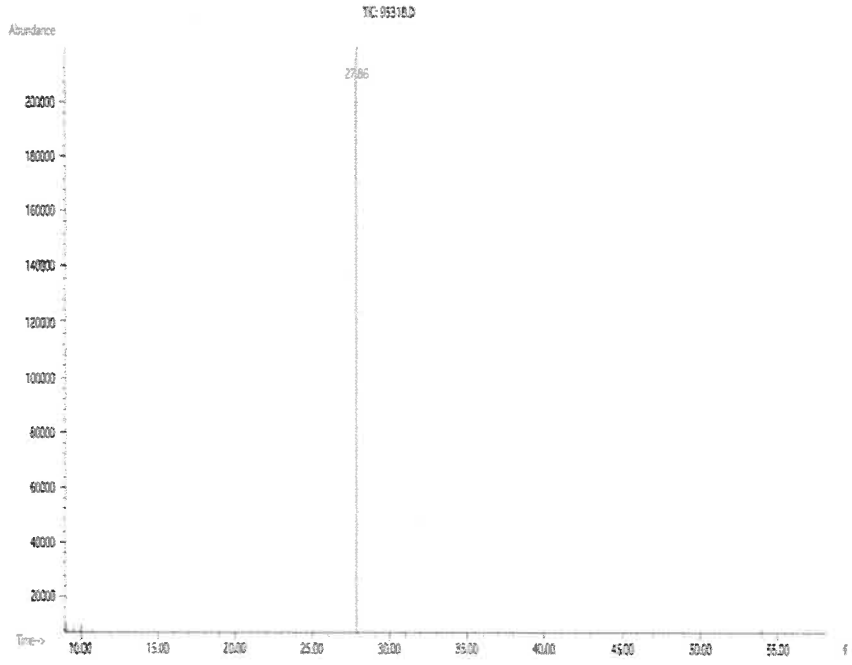
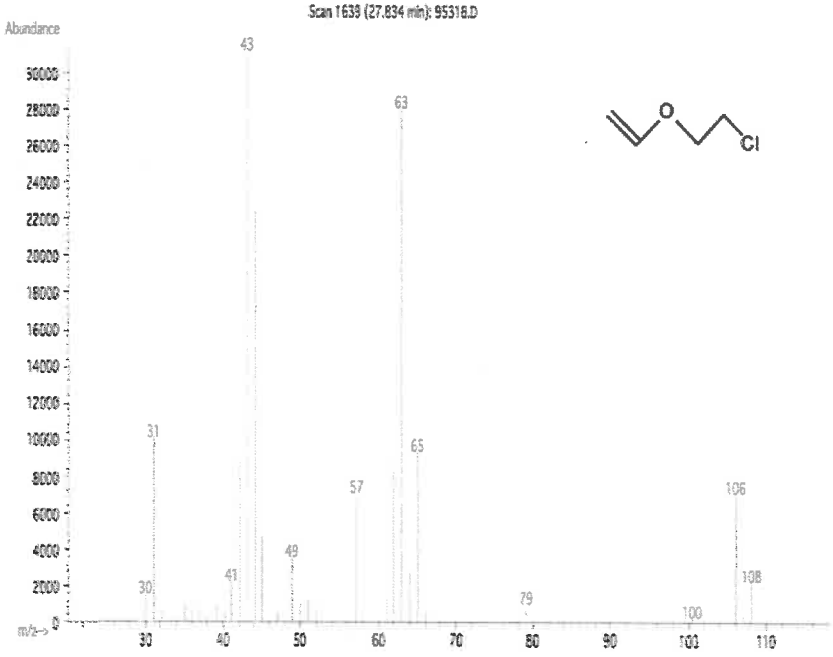
Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

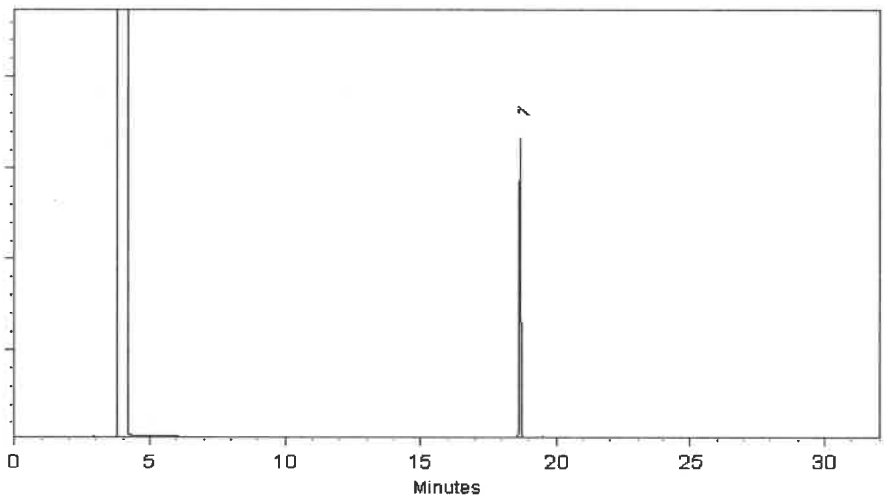
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

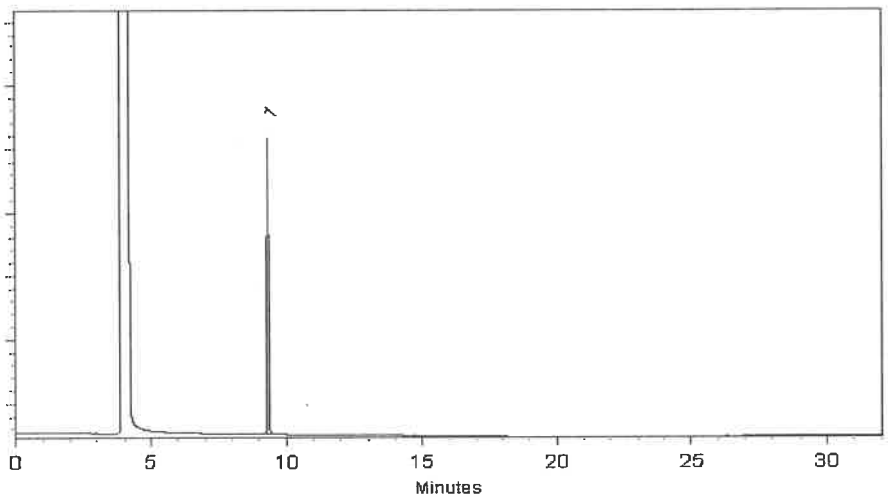
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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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

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Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Column:
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Carrier Gas:
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Temp. Program:
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@ 8°C/min. (hold 5 min.)

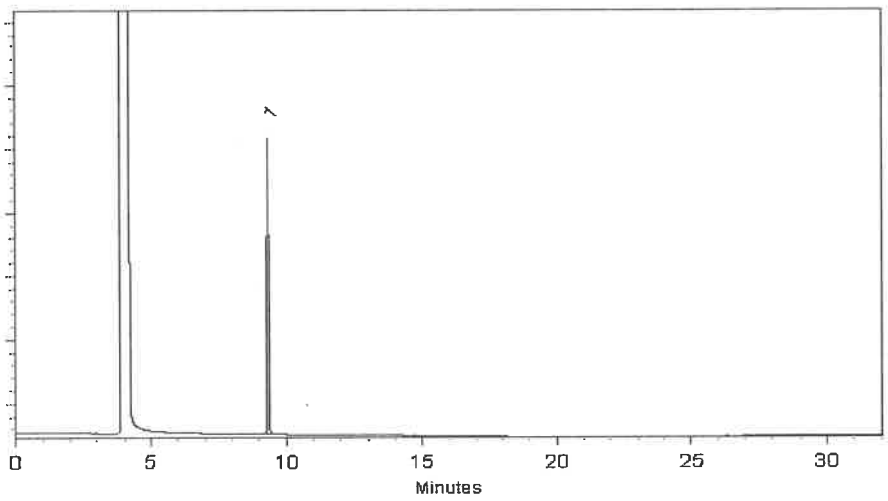
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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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)
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Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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Carrier Gas:
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Temp. Program:
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@ 8°C/min. (hold 5 min.)

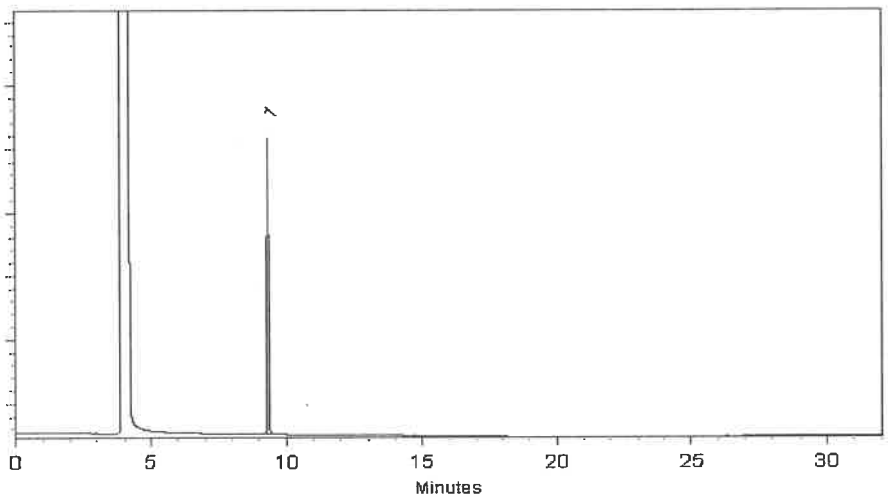
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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)
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hydrogen-constant pressure 11.0 psi.

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40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

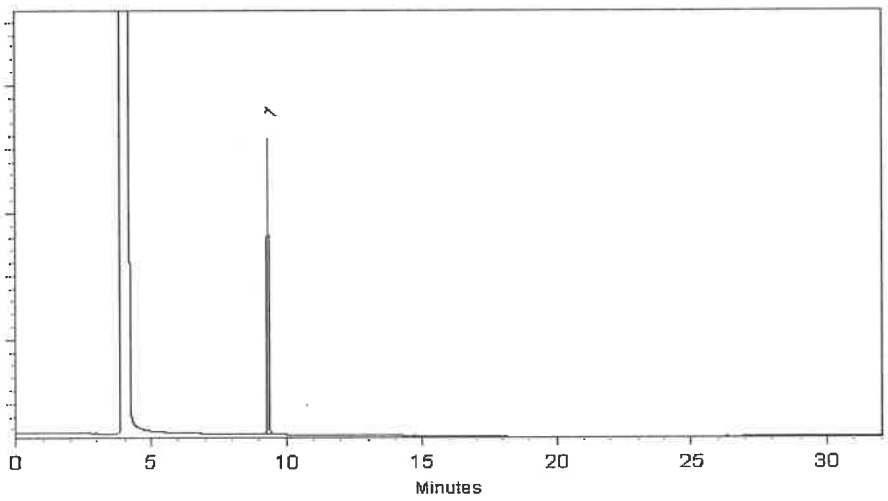
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

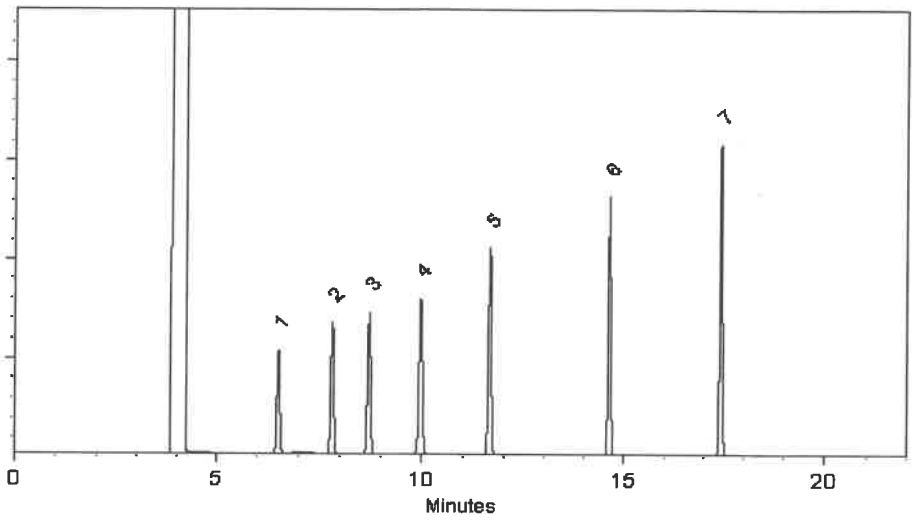
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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Manufacturing Notes:

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Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

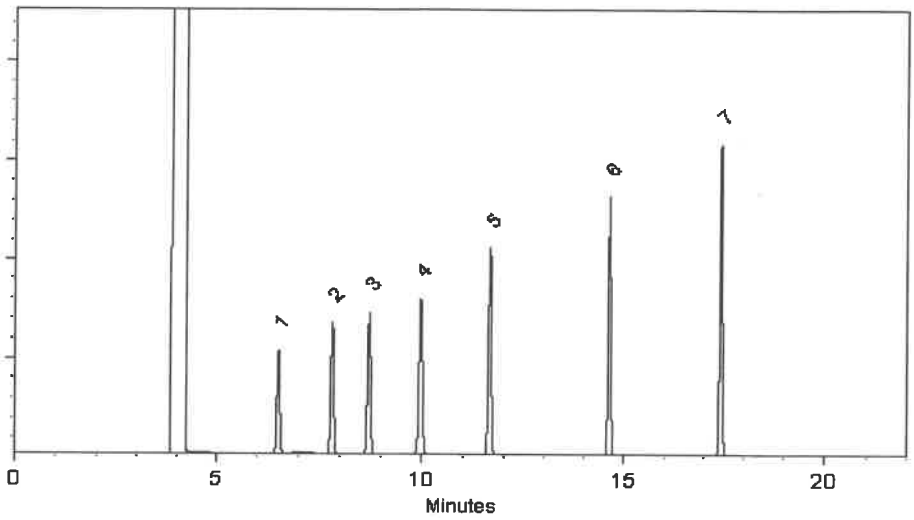
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- 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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  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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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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.)

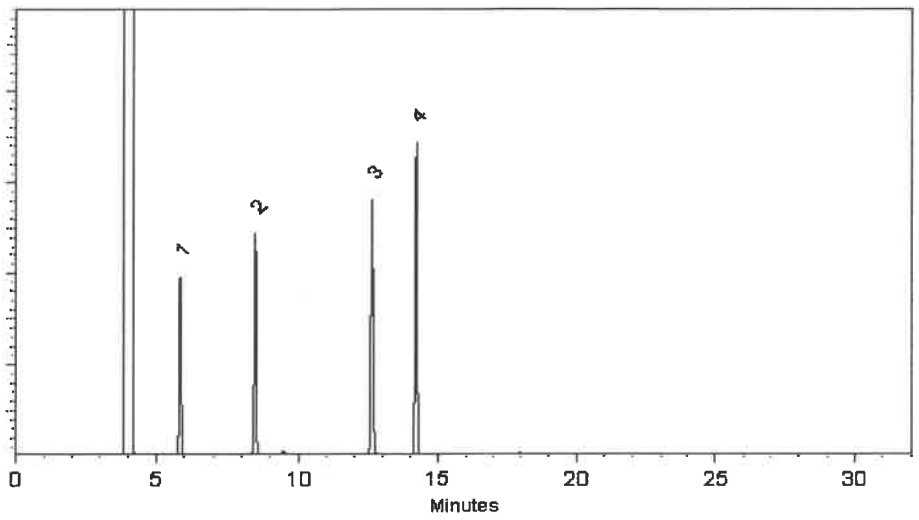
Inj. Temp:
200°C

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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Manufacturing Notes:

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Handling Notes:

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chromatographic plus

V14697-to-14726

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

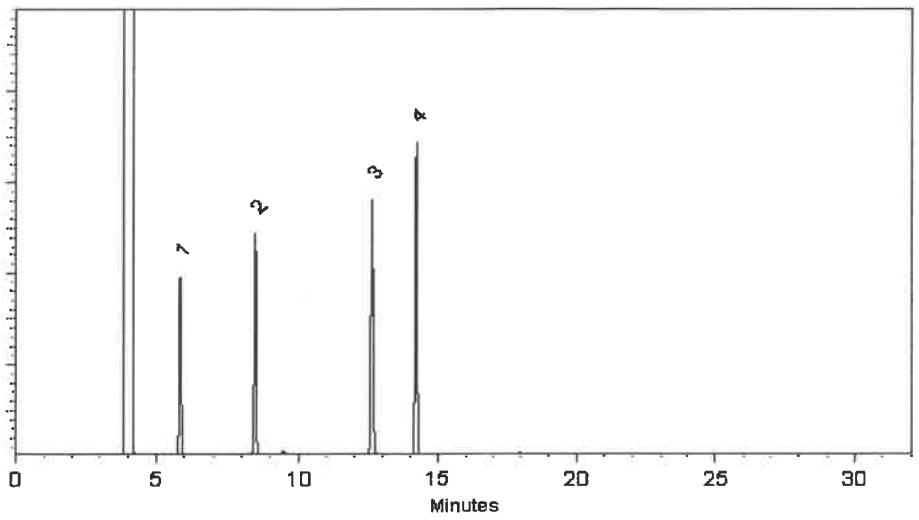
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

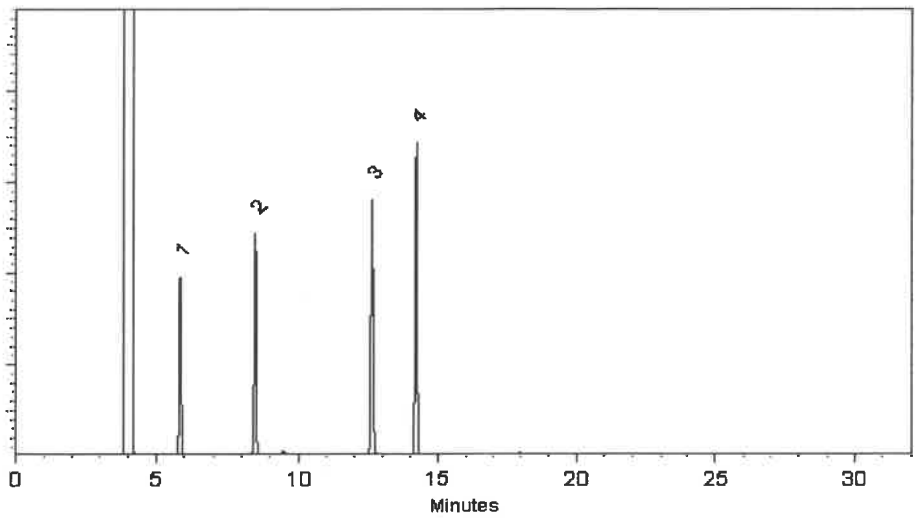
Inj. Temp:
200°C

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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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.)

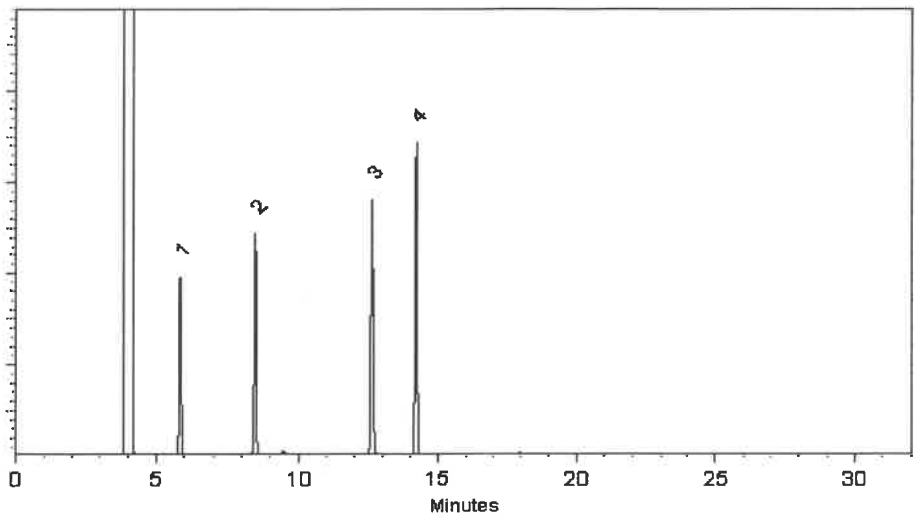
Inj. Temp:
200°C

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.
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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%.

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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

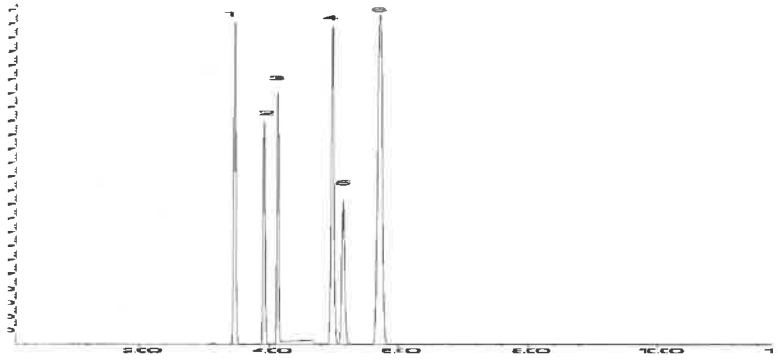
Inj. Temp:
200°C

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.
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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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Certificate #3222.02

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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.

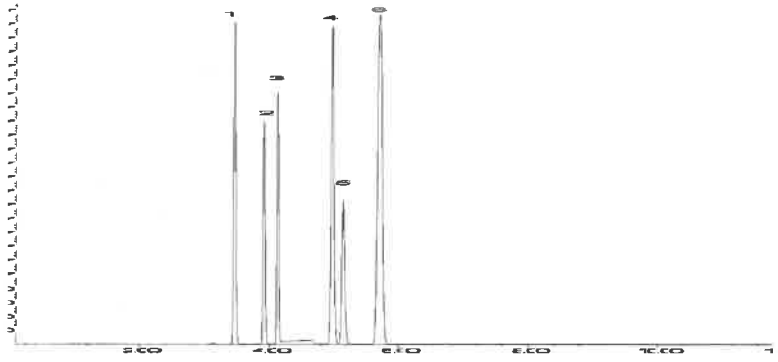
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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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:

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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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  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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J14842 to 14846

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

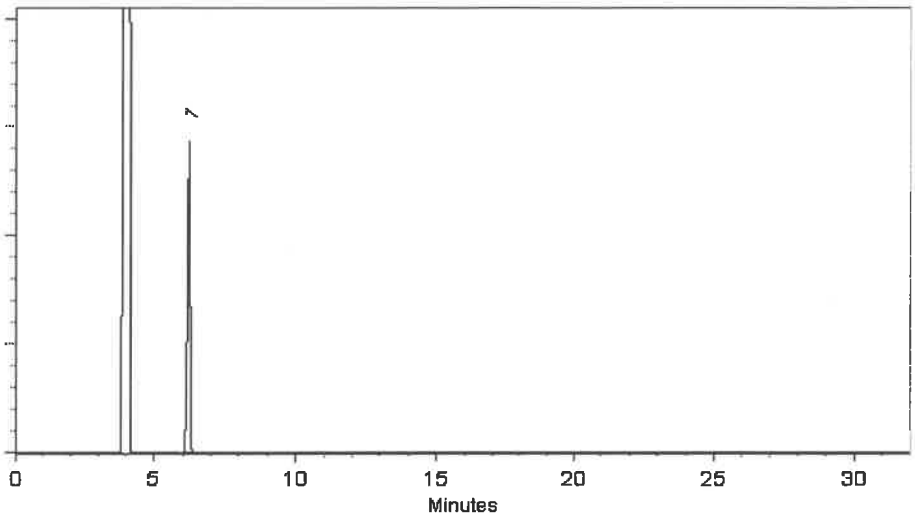
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoviny Rec 01/08/21

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

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

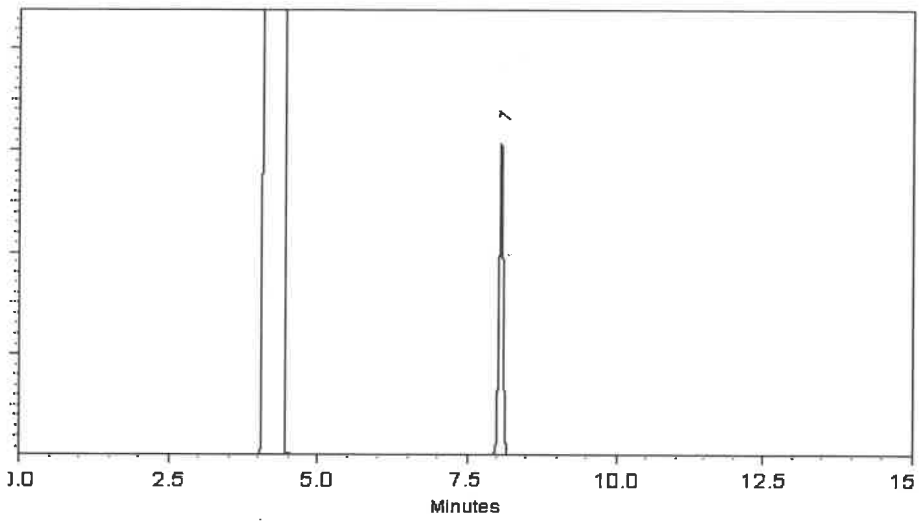
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Zoviny Rec 01/08/21

RESTEK
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

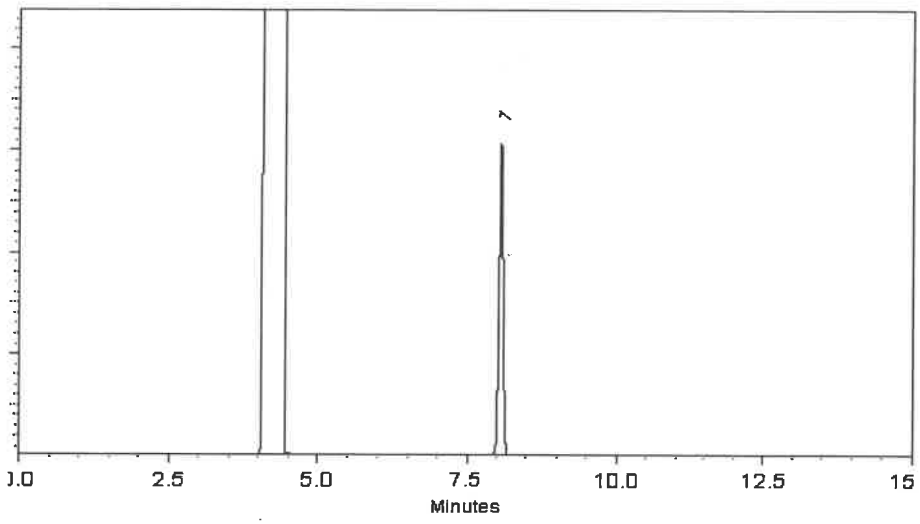
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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: Q2050

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: VPB-182
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

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
- ❑ EDD Format
- ❑ USEPA CLP
- ❑ New York State ASP "B"
- ❑ New York State ASP "A"
- ❑ Other

ANALYSIS

1	2	3	4	5	6	7	8	9
VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)							

PRESERVATIVES

A								
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	COMMENTS
1.	BP-VPB-182-TB-20250512	QA		X	5/12/25	9:00	2	Trip Blank
2.	BP-VPB-182-GW-60-62	AQ		X	5/12/25	11:50	3	
3.	BP-VPB-182-GW-100-102	AQ		X	5/12/25	14:00	3	
4.	BP-VPB-182-GW-150-152	AQ		X	5/13/25	10:25	3	
5.	BP-VPB-182-GW-205-207	AQ		X	5/14/25	9:50	3	Extra VOA vial
6.	BP-VPB-182-GW-220-222	AQ		X	5/14/25	11:55	3	
7.	BP-VPB-182-DUP-20250514	QA		X	5/14/25	12:00	2	8260B Duplicate
8.	BP-VPB-182-EB-20250514	QA		X	5/14/25	12:40	3	Equipment Blank
9.	BP-VPB-182-GW-240-242	AQ		X	5/14/25	14:05	2	
10.								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	5/14/25 1600	1. 1646 5.14.25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	1935 5-14-25	3.

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.5°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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2050 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 5/15/2025 9:46:00 AM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 5/14/2025 7:35:00 PM
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
Q2050-01	BP-TB-20250512	Water	05/12/2025	09:00					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	2 Days
Q2050-02	BP-VPB-182-GW-60-62	Water	05/12/2025	11:50					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
Q2050-03	BP-VPB-182-GW-100-102	Water	05/12/2025	14:00					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
Q2050-04	BP-VPB-182-GW-150-152	Water	05/13/2025	10:25					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
Q2050-06	BP-VPB-182-GW-220-222	Water	05/14/2025	11:55					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
Q2050-07	BP-VPB-182-DUP-20250514	Water	05/14/2025	12:00					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
Q2050-08	BP-VPB-182-EB-20250514	Water	05/14/2025	12:40					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
Q2050-09	BP-VPB-182-GW-240-242	Water	05/14/2025	14:05					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2050 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

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Project Name : NWIRP Bethpage 112G080
Receive DateTime : 5/14/2025 7:35:00 PM
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 Days	

Relinguished By : _____
Date / Time : 5/15/25 1045

Received By : _____
Date / Time : 5/15/25 1045

Storage Area : **VOA Refridgerator Room**

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2050 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 5/15/2025 9:46:00 AM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 5/14/2025 7:35:00 PM
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
Q2050-05	BP-VPB-182-GW-205-207	Water	05/14/2025	09:50					
					VOCMS Group1		8260-Low	~~10 Bus.~~ Days	2 Days

Ref #04 VOA

Relinguished By :
Date / Time : 5/15/25 11:20

Received By :
Date / Time : 5/15/25 11:20

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

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)

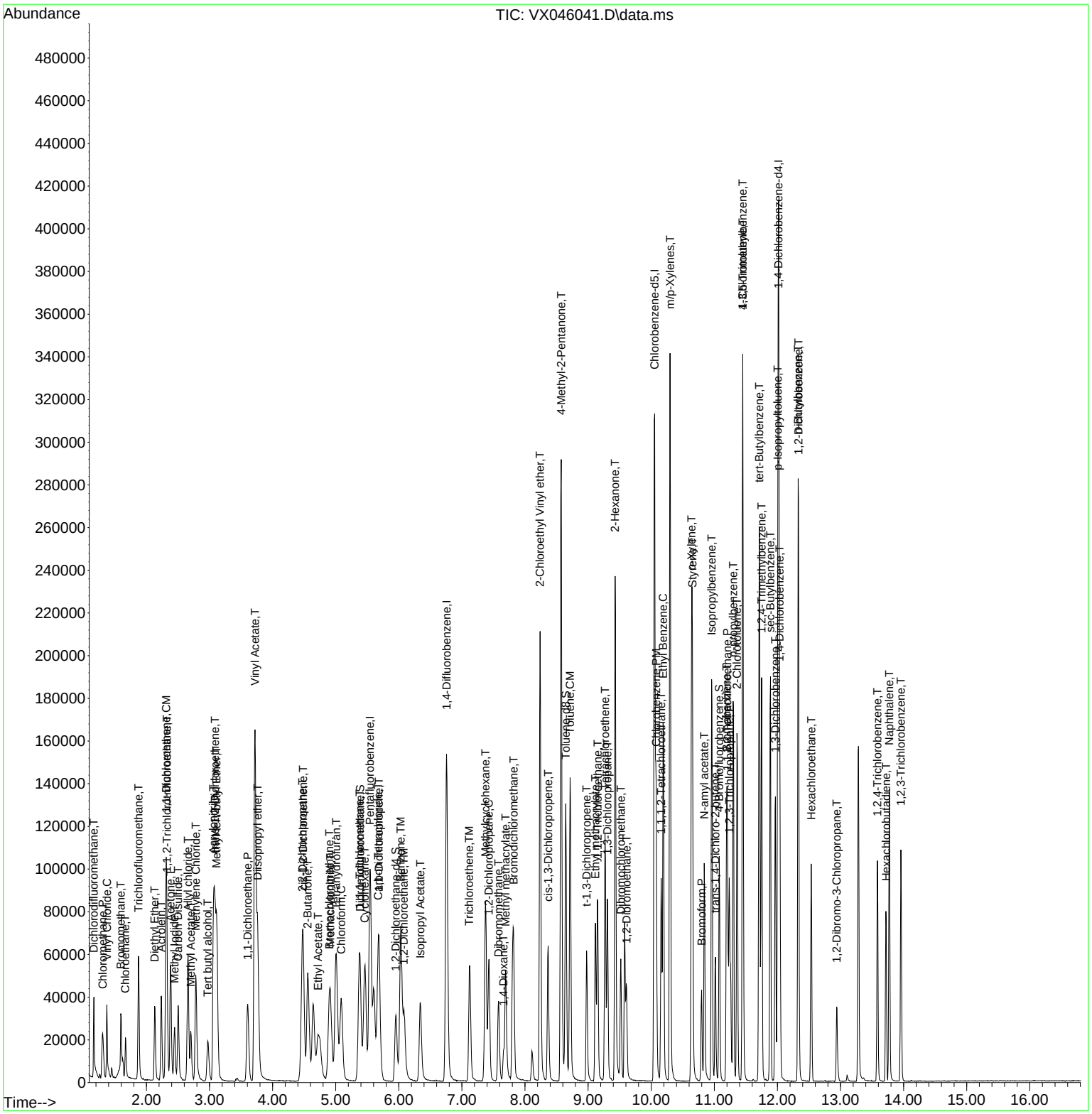
(#) = qualifier out of range (m) = manual integration (+) = signals summed

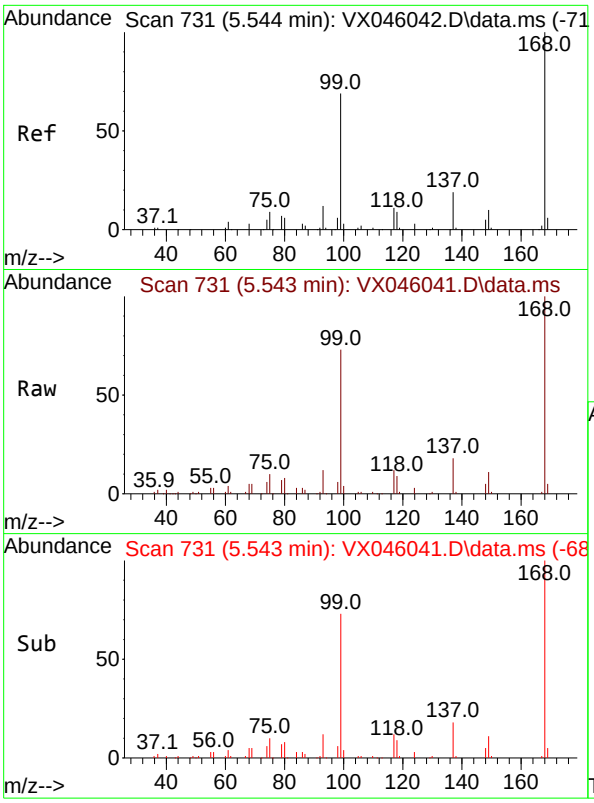
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
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



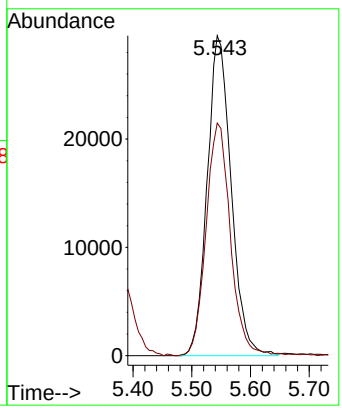


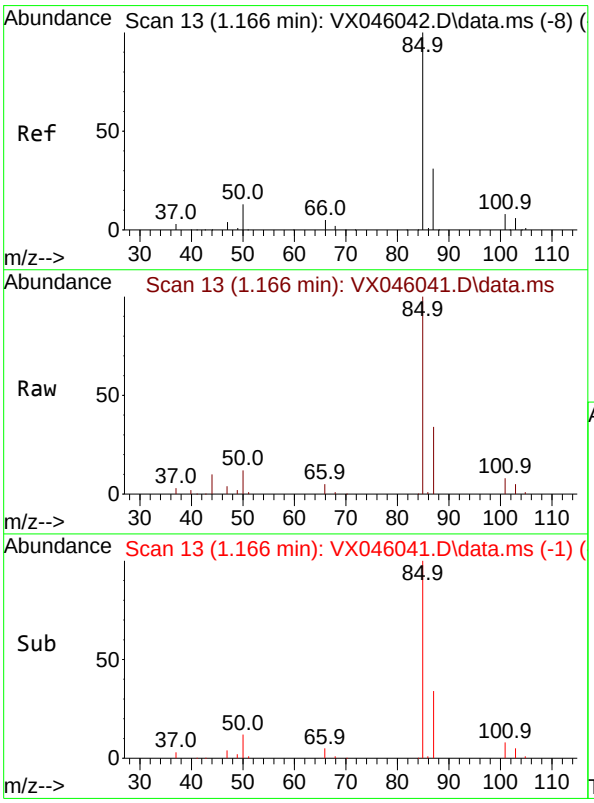
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 83671

Ion	Ratio	Lower	Upper
168	100		
99	72.7	54.9	82.3

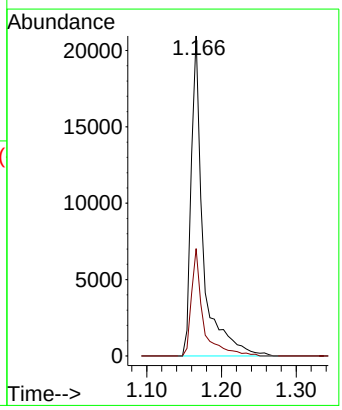


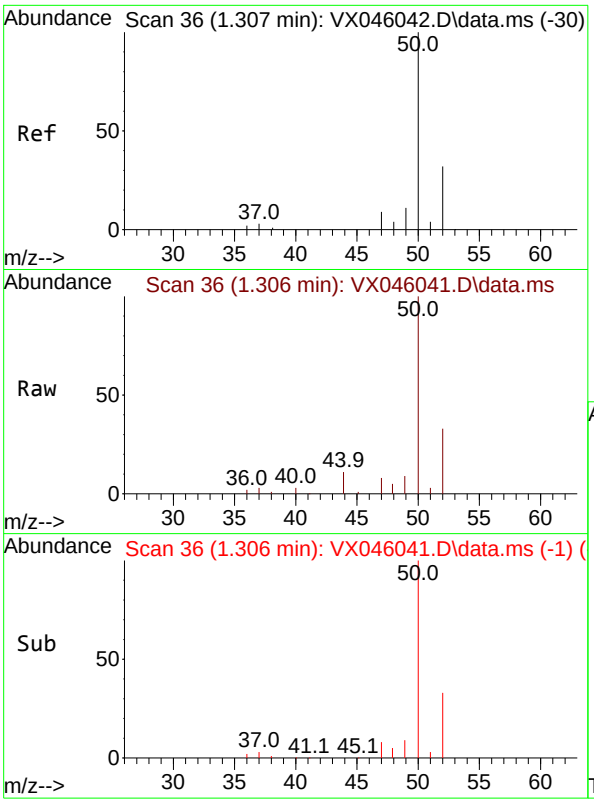


#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.1



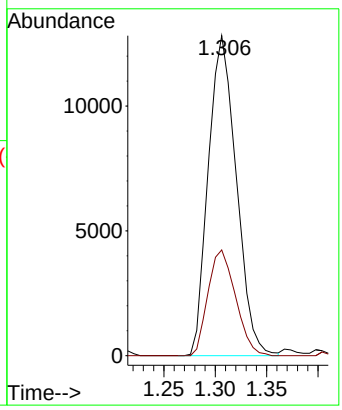


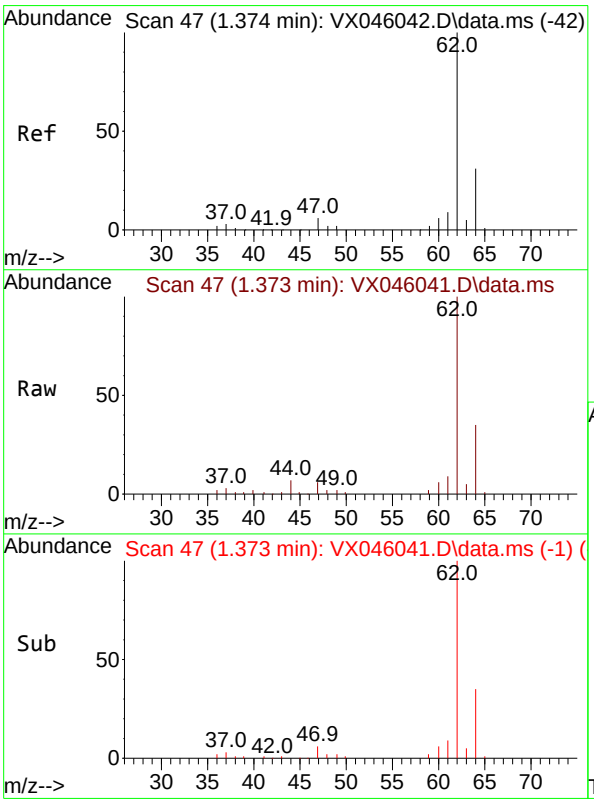
#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 24316

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2

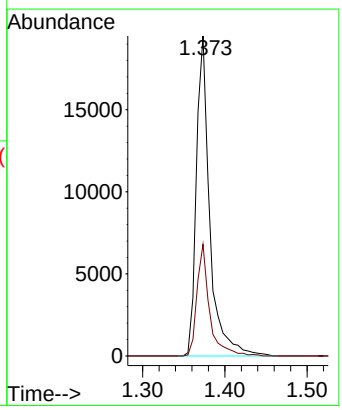


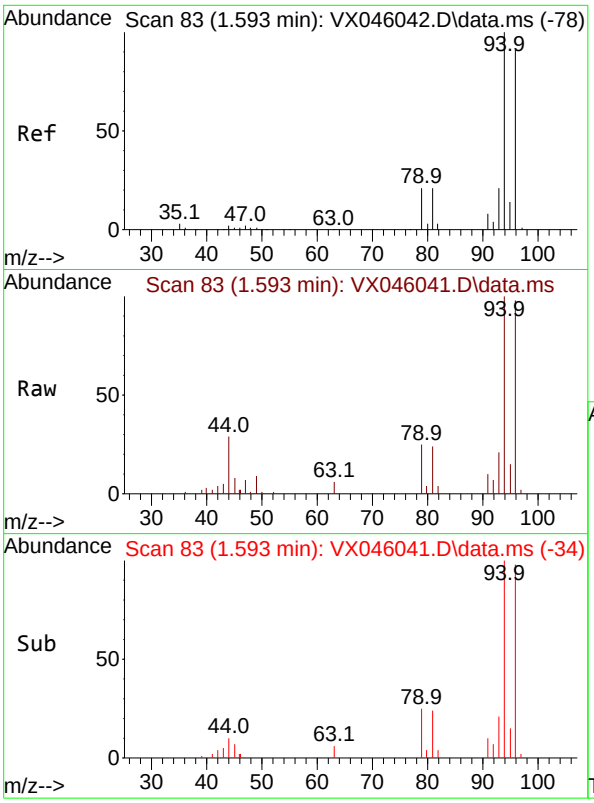


#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 22096

Ion	Ratio	Lower	Upper
62	100		
64	34.9	25.2	37.8



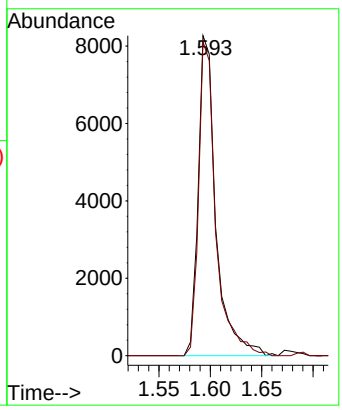


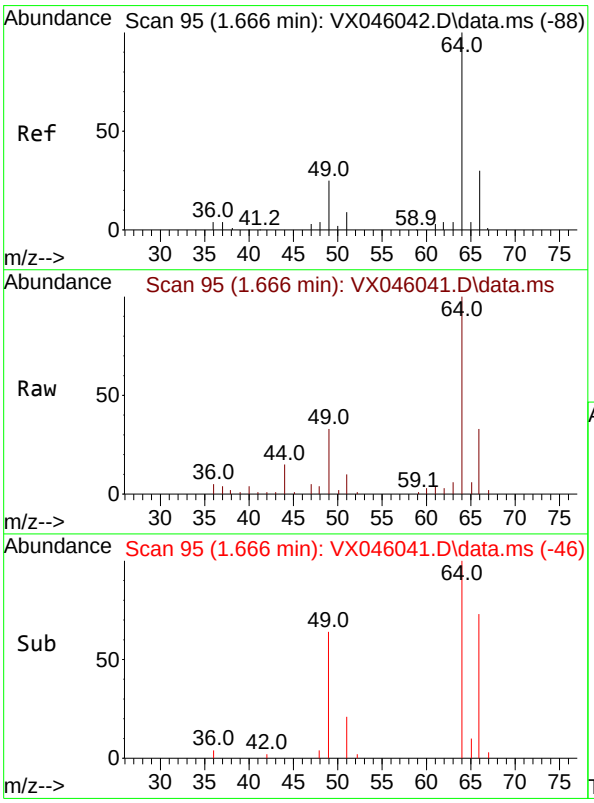
#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 9920

Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.8	109.2

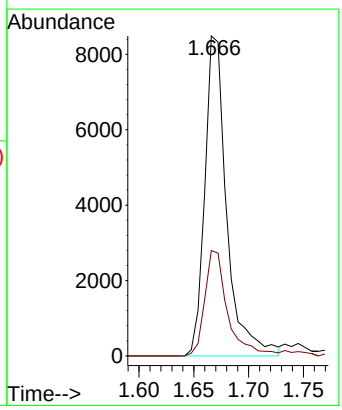


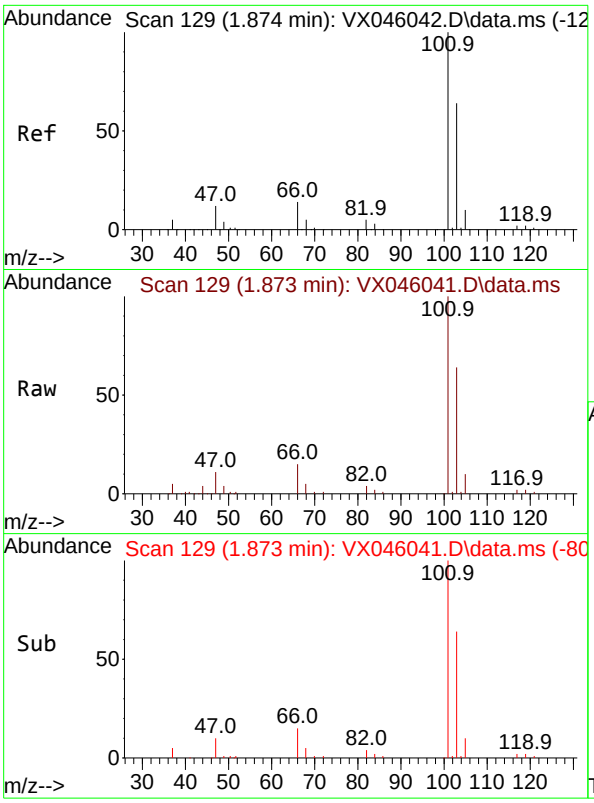


#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 64 Resp: 11832

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.3	36.5



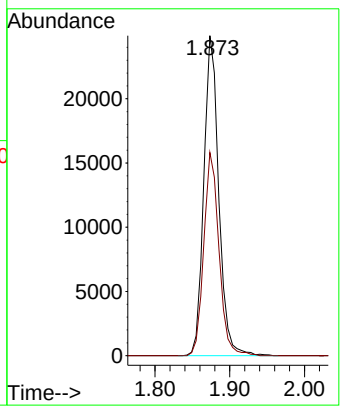


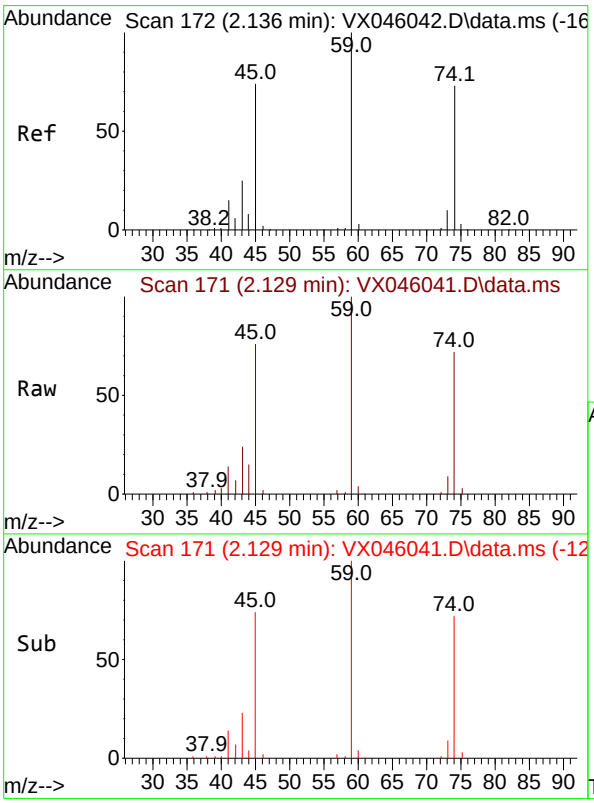
#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 34636

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.4

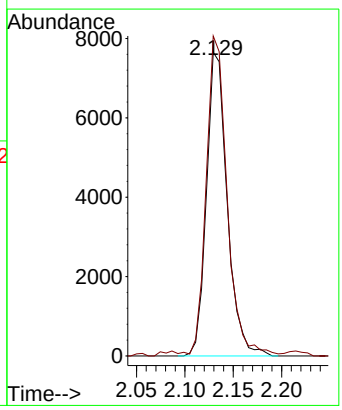


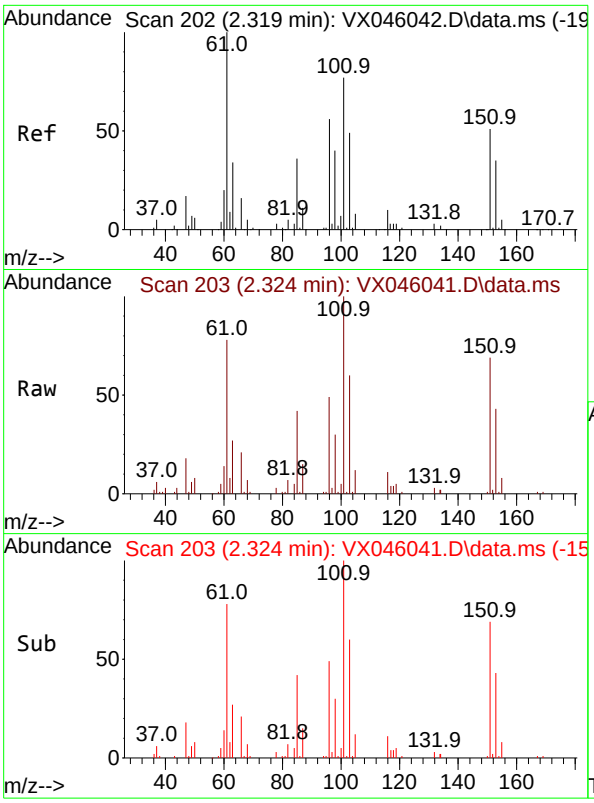


#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 74 Resp: 11392

Ion	Ratio	Lower	Upper
74	100		
45	103.7	54.9	164.8



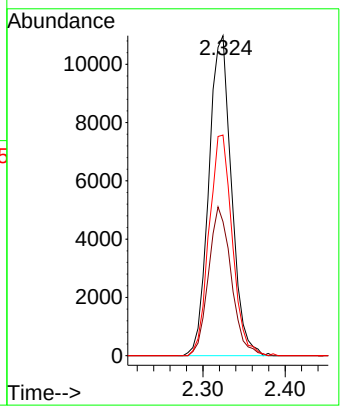


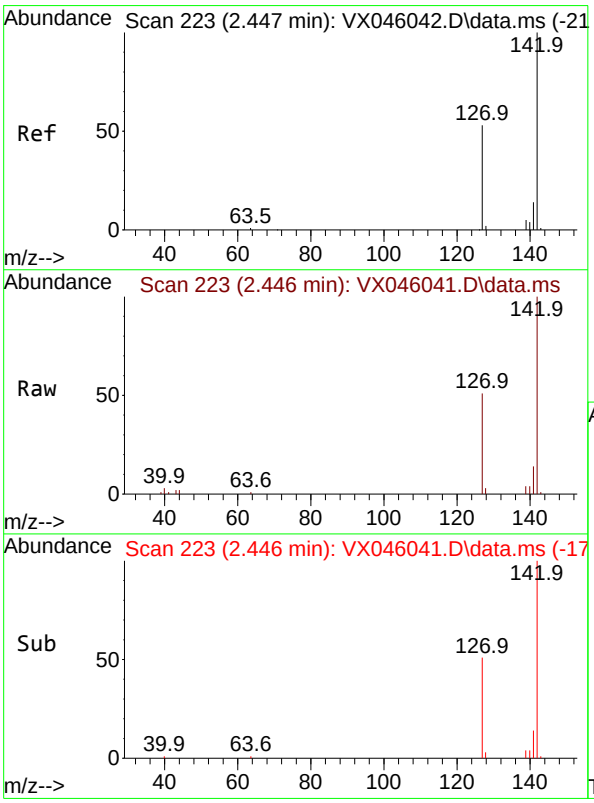
#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.499 ug/l
RT: 2.324 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

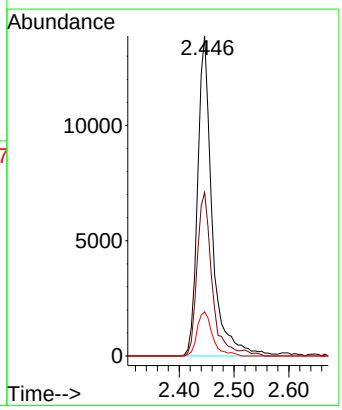


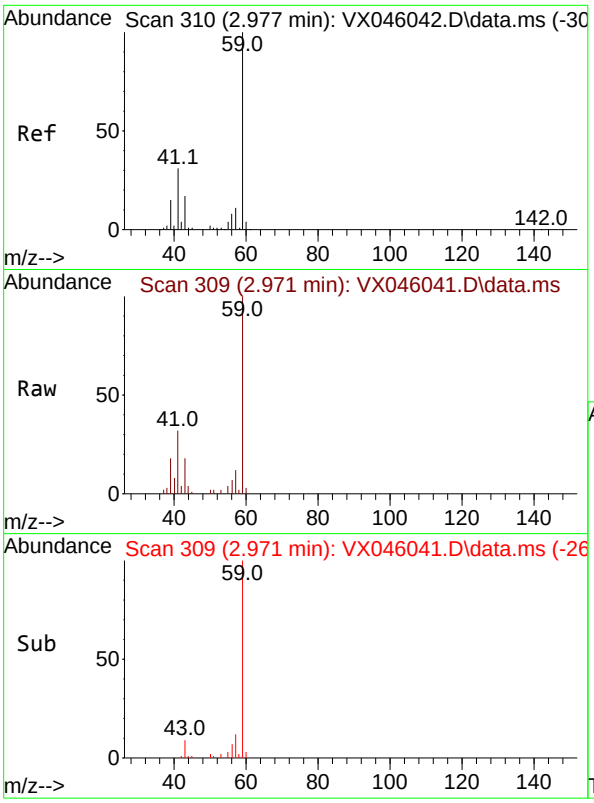


#10
Methyl Iodide
Concen: 15.070 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



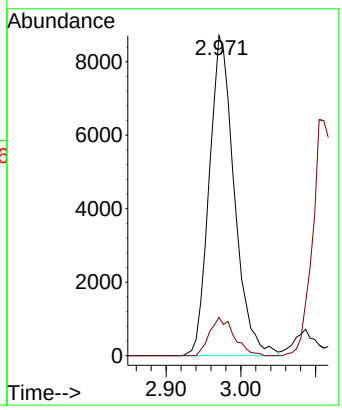


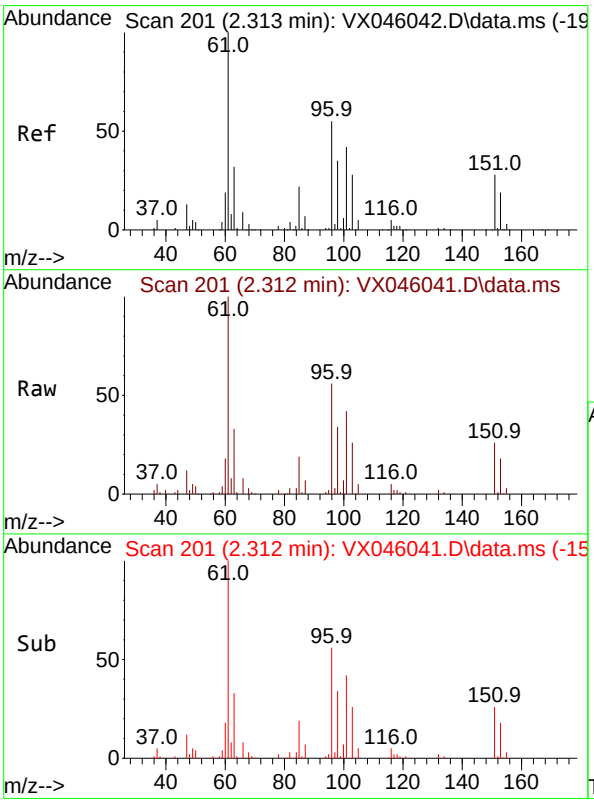
#11
Tert butyl alcohol
Concen: 68.662 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 20370

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8

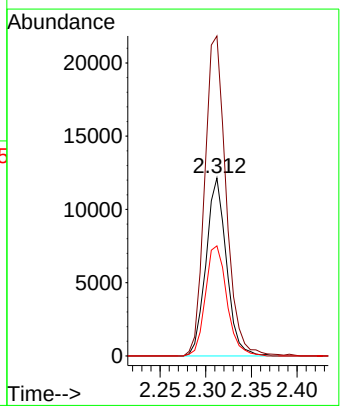


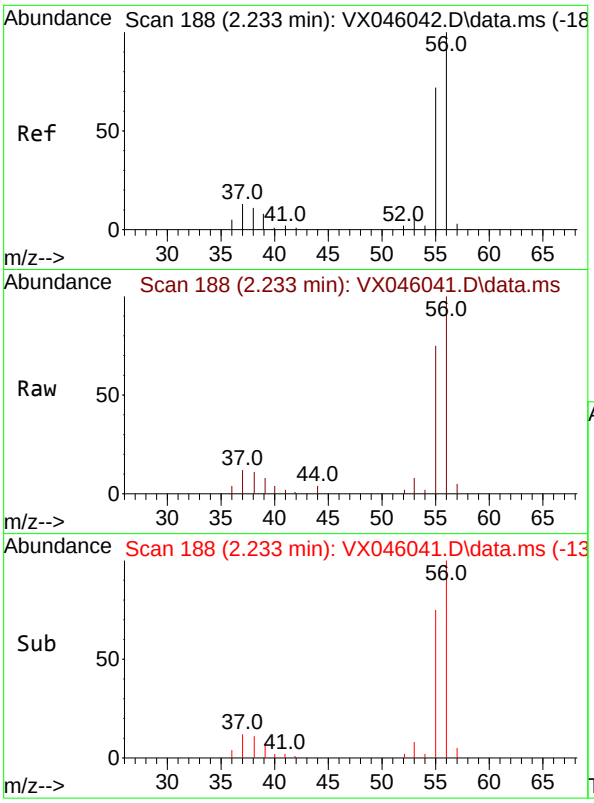


#12
1,1-Dichloroethene
Concen: 13.385 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



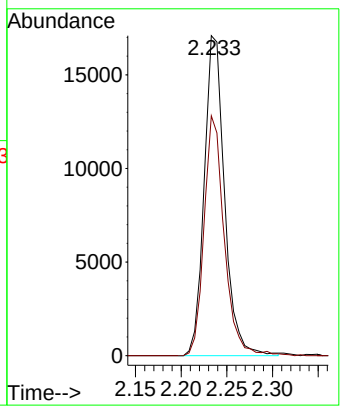


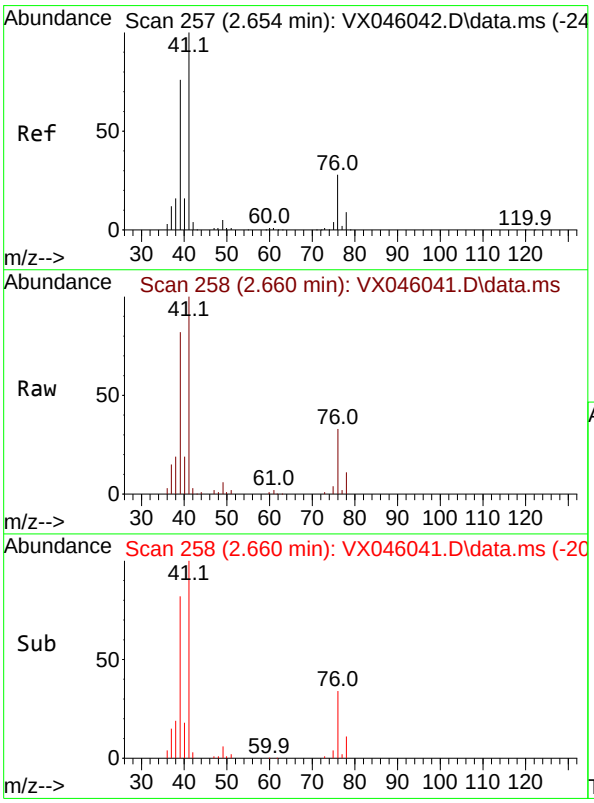
#13
Acrolein
Concen: 76.689 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 26427

Ion	Ratio	Lower	Upper
56	100		
55	74.3	56.2	84.4

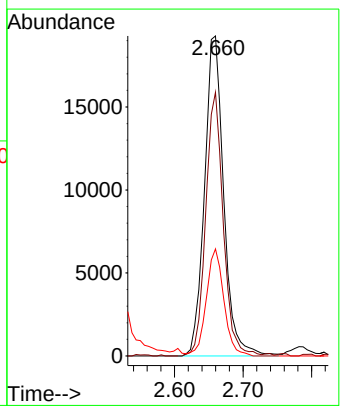


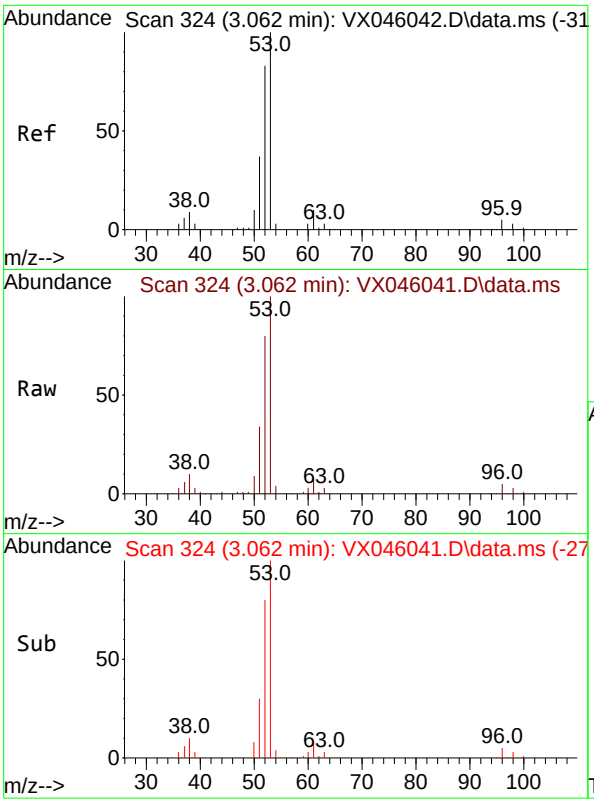


#14
Allyl chloride
Concen: 14.133 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



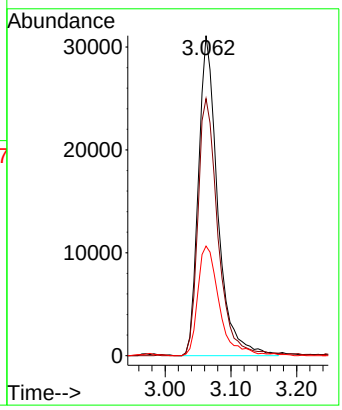


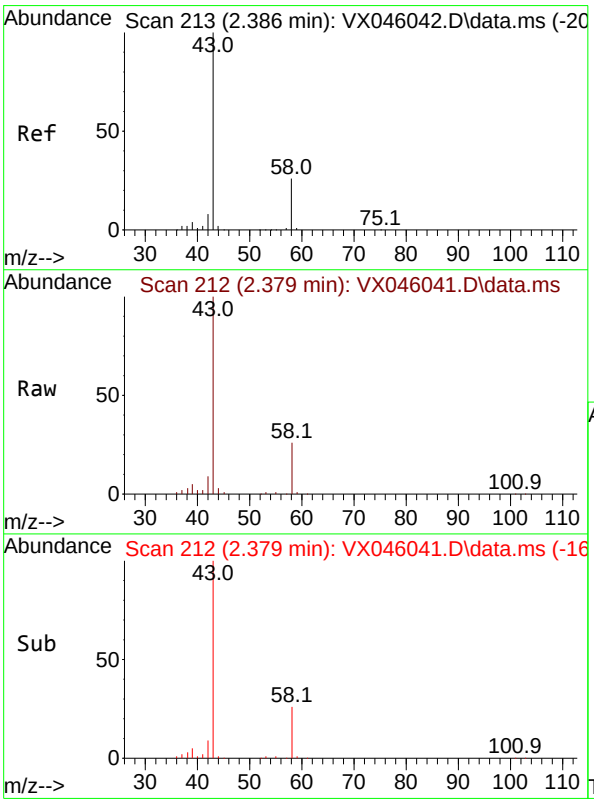
#15
Acrylonitrile
Concen: 71.312 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

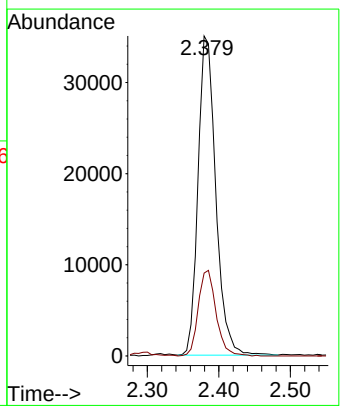


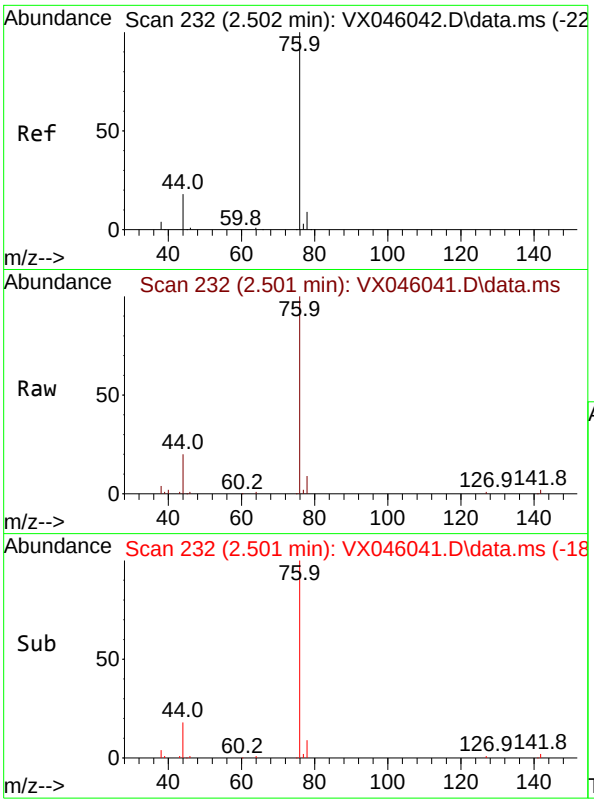


#16
Acetone
Concen: 70.884 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 60363

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.2	31.8



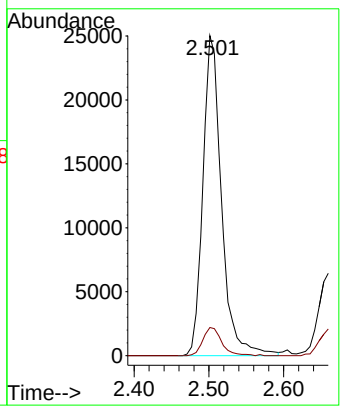


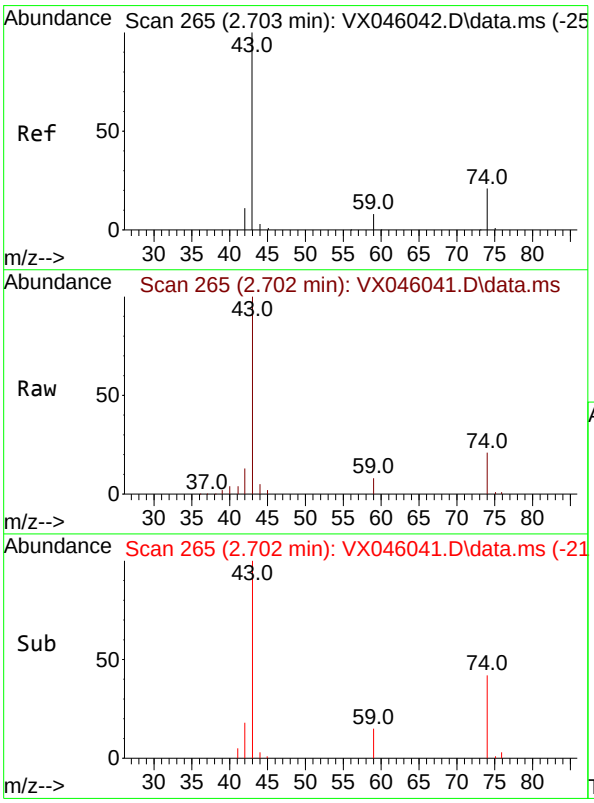
#17
Carbon Disulfide
Concen: 13.251 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 43348

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

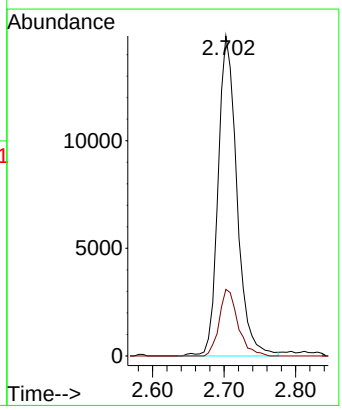


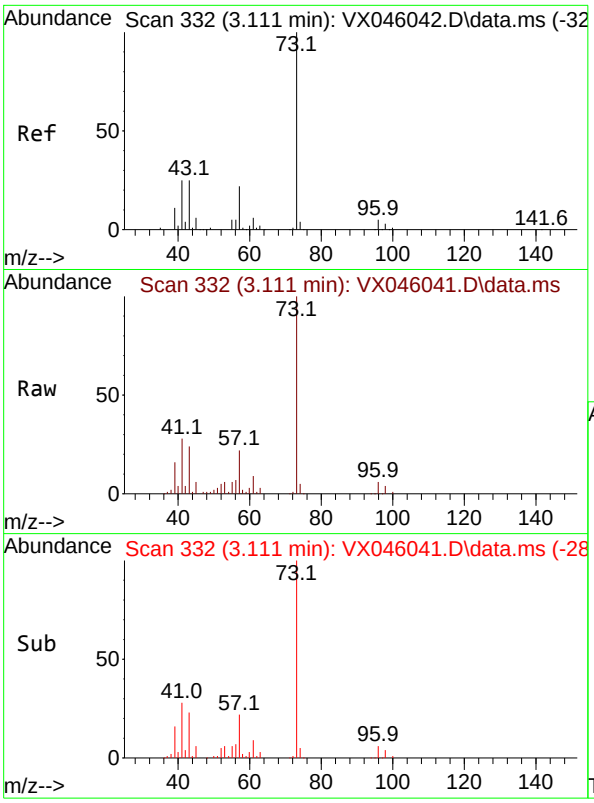


#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 27234

Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.7	25.1



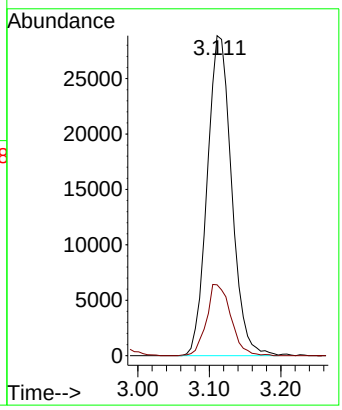


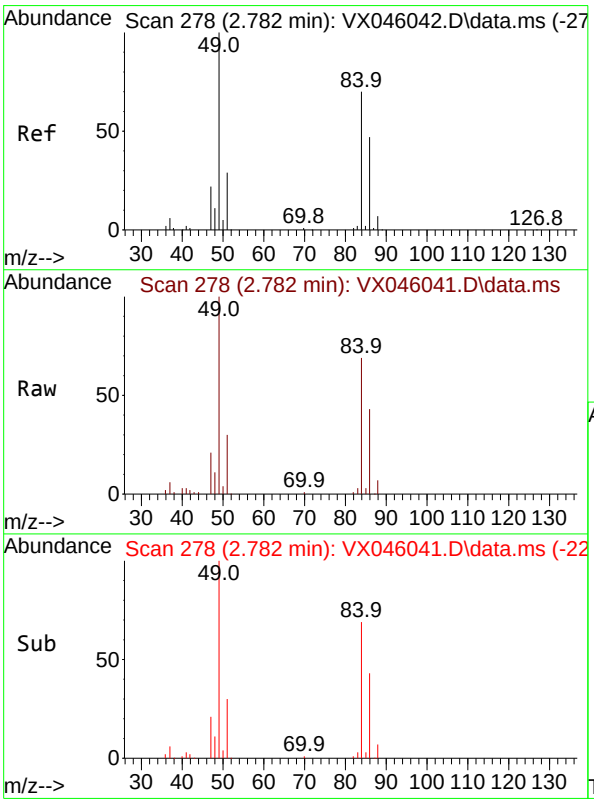
#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 68402

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5

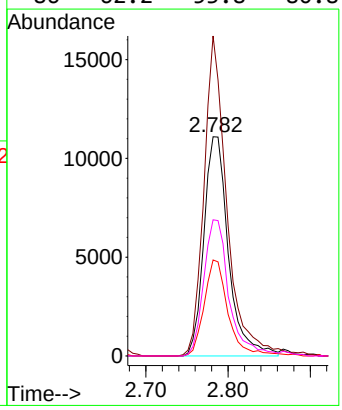


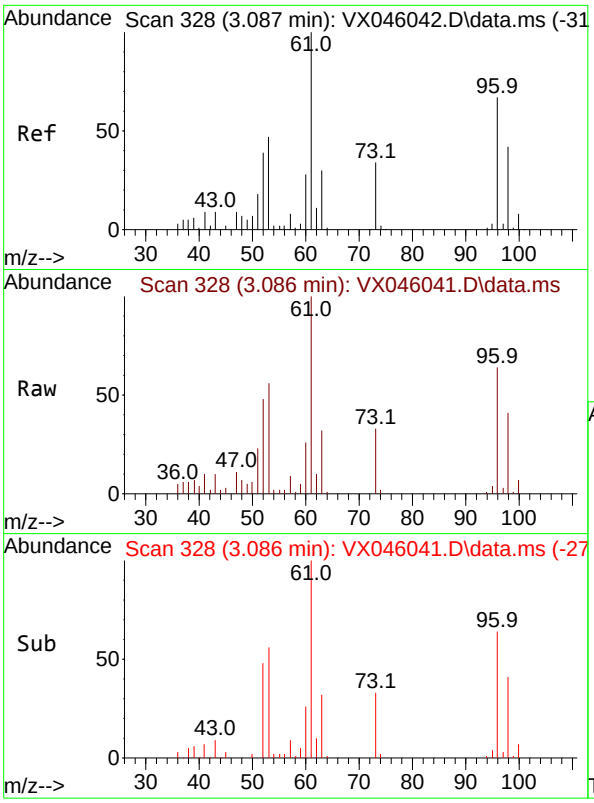


#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



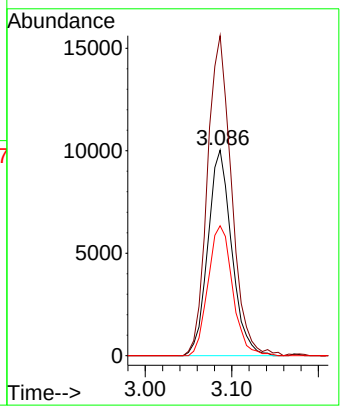


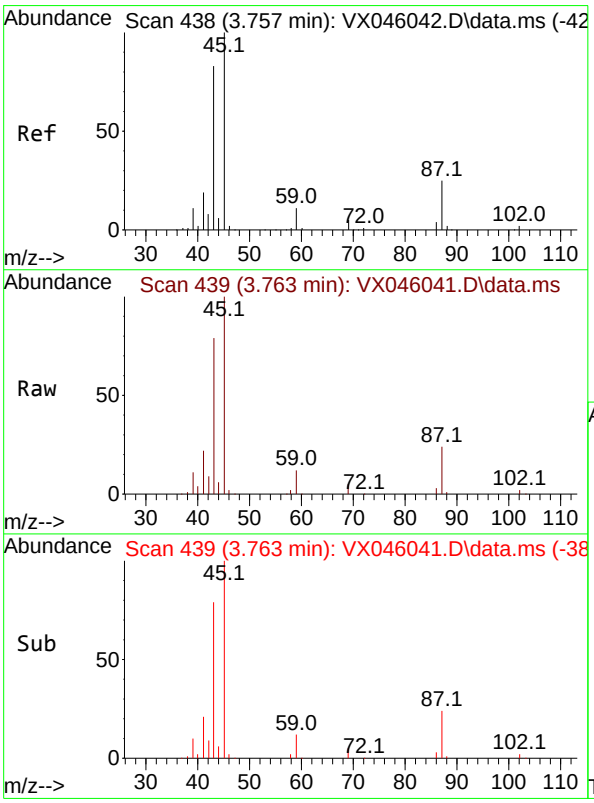
#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

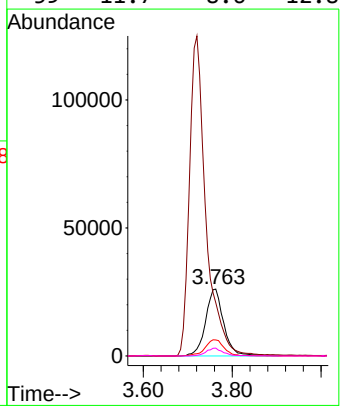


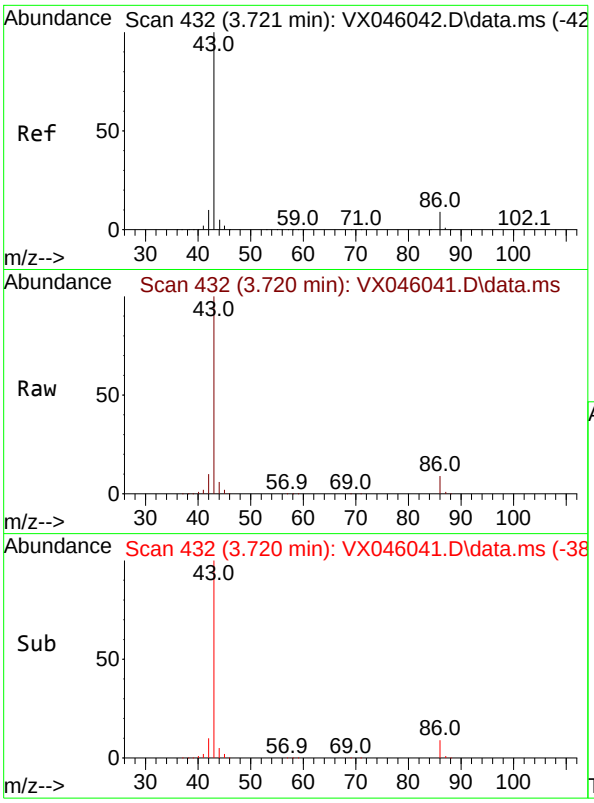


#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



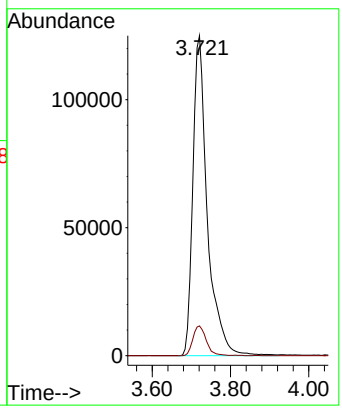


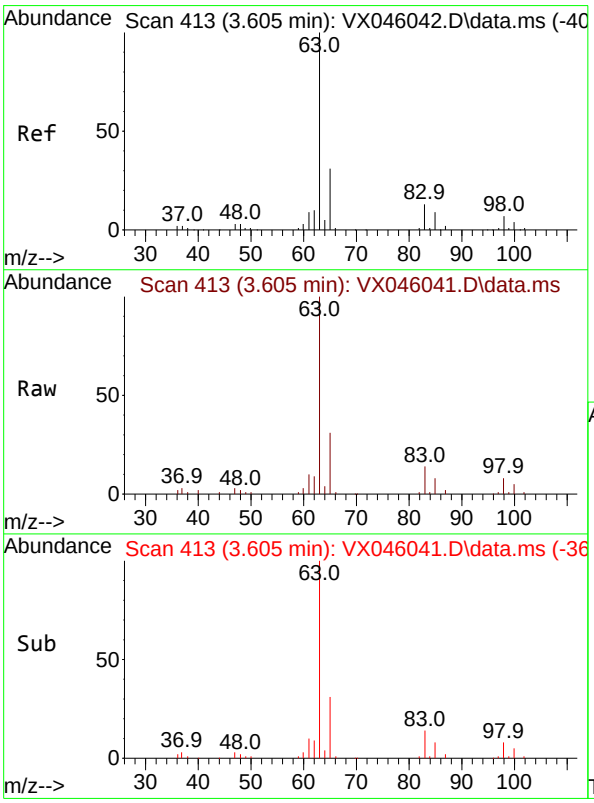
#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 322598

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

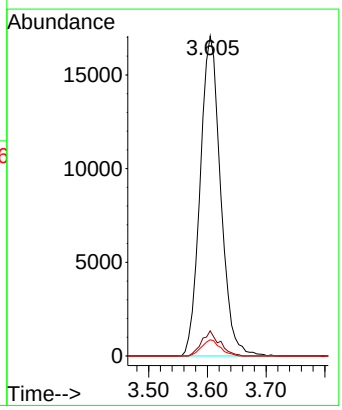


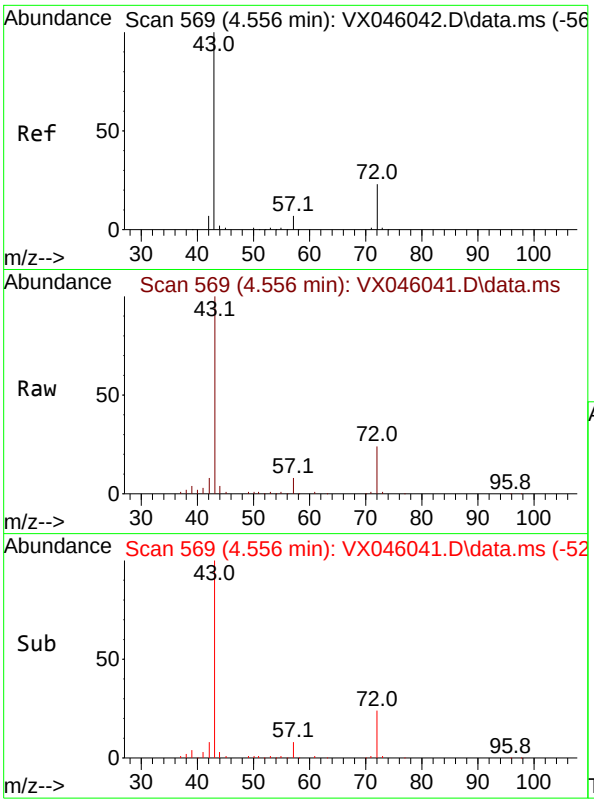


#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



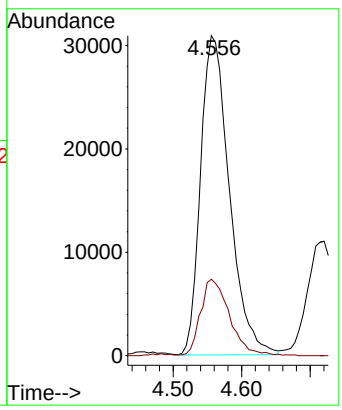


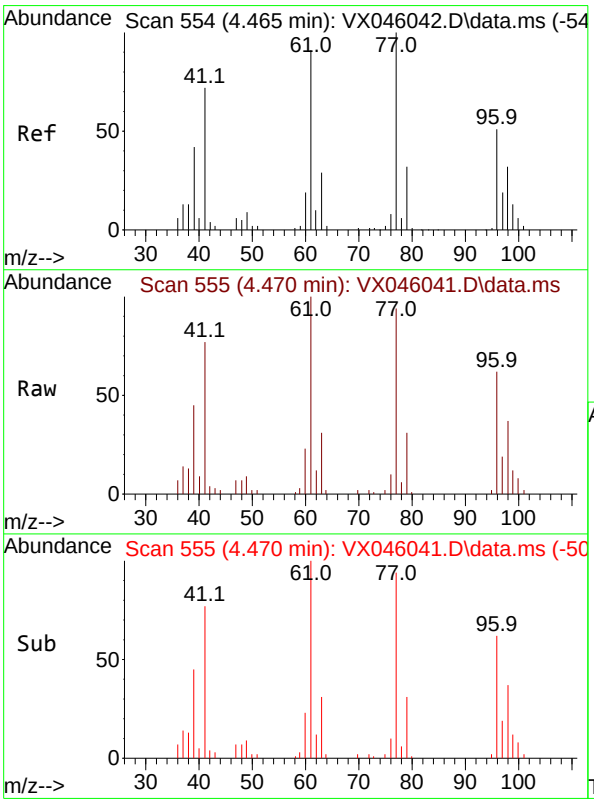
#25
2-Butanone
Concen: 73.489 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 90331

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6

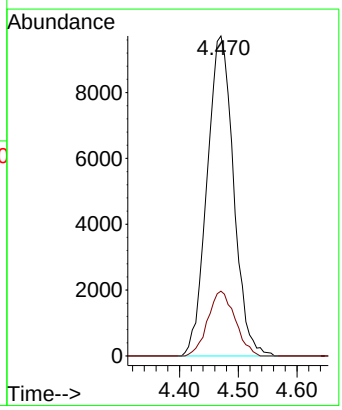


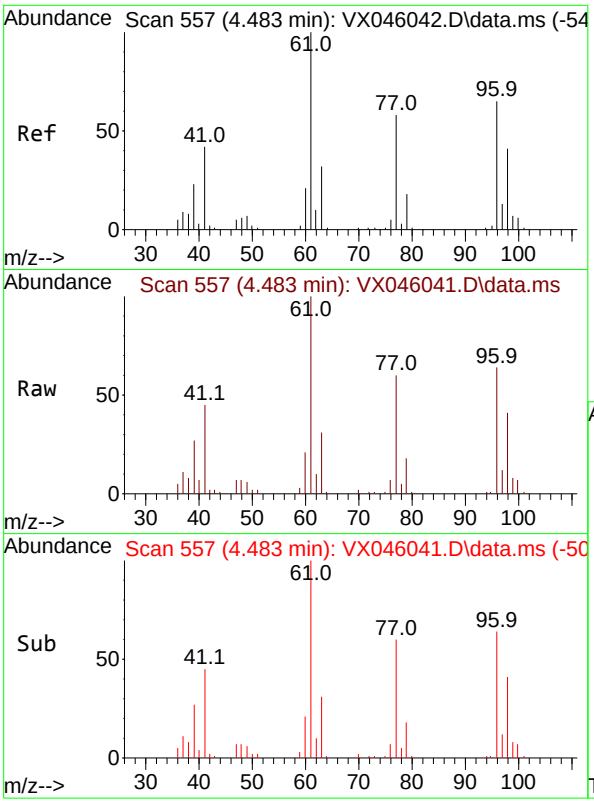


#26
2,2-Dichloropropane
Concen: 13.729 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 77 Resp: 30472

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.5	31.5



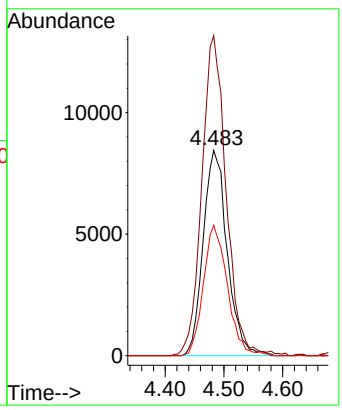


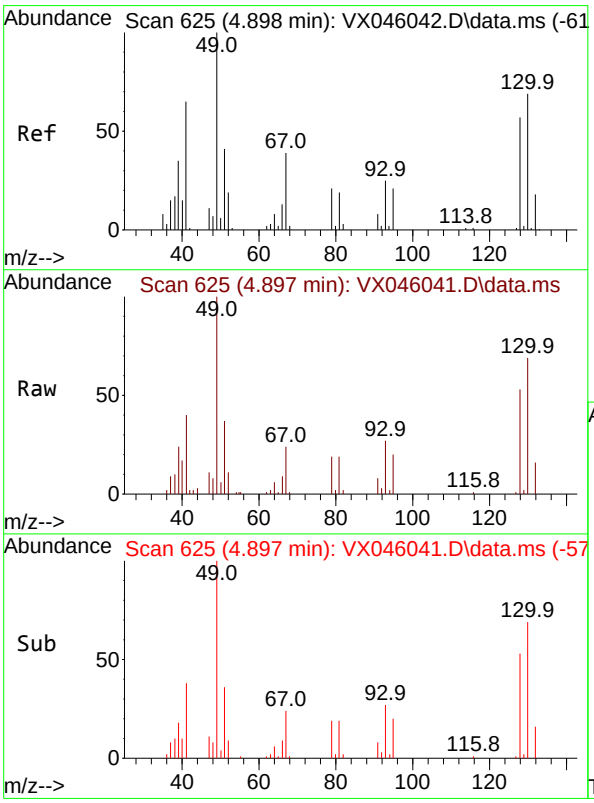
#27
cis-1,2-Dichloroethene
Concen: 13.791 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

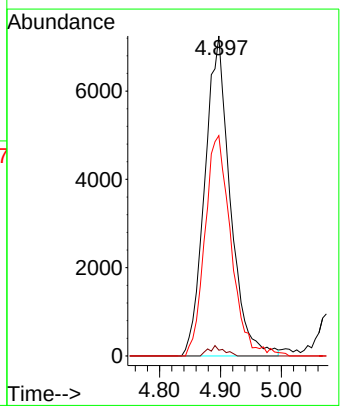


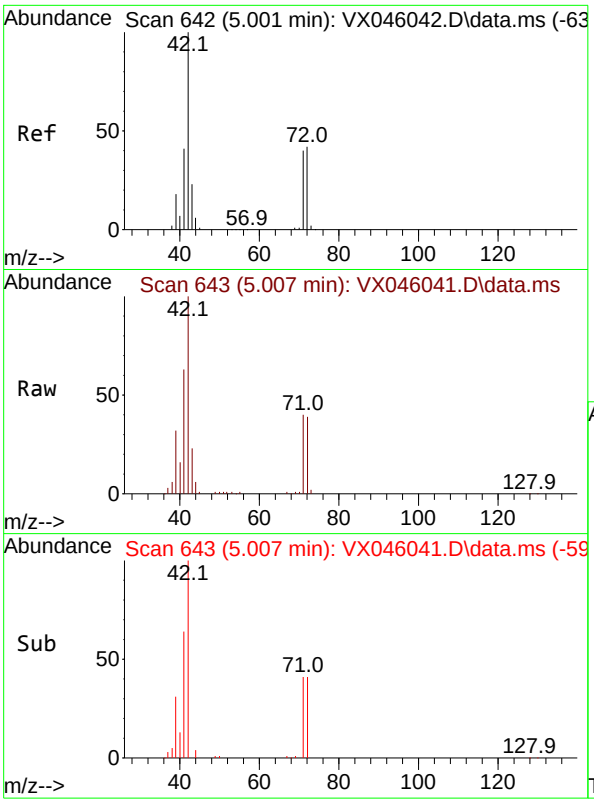


#28
Bromochloromethane
Concen: 13.497 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



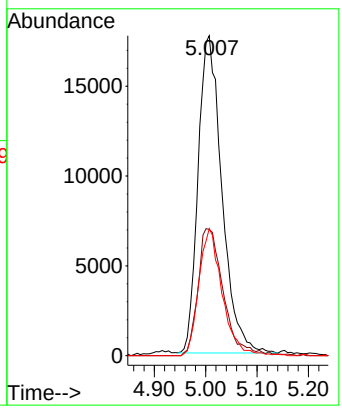


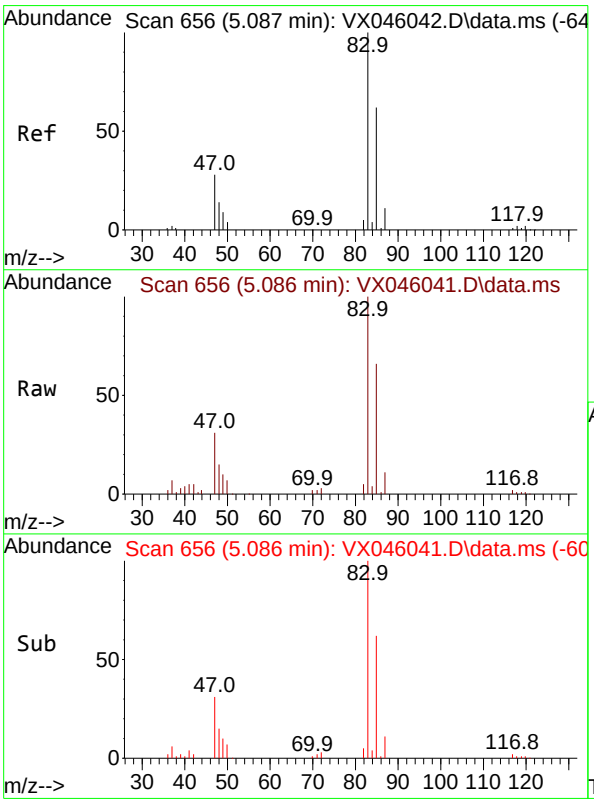
#29
Tetrahydrofuran
Concen: 71.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

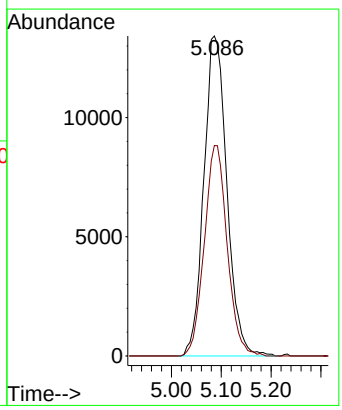


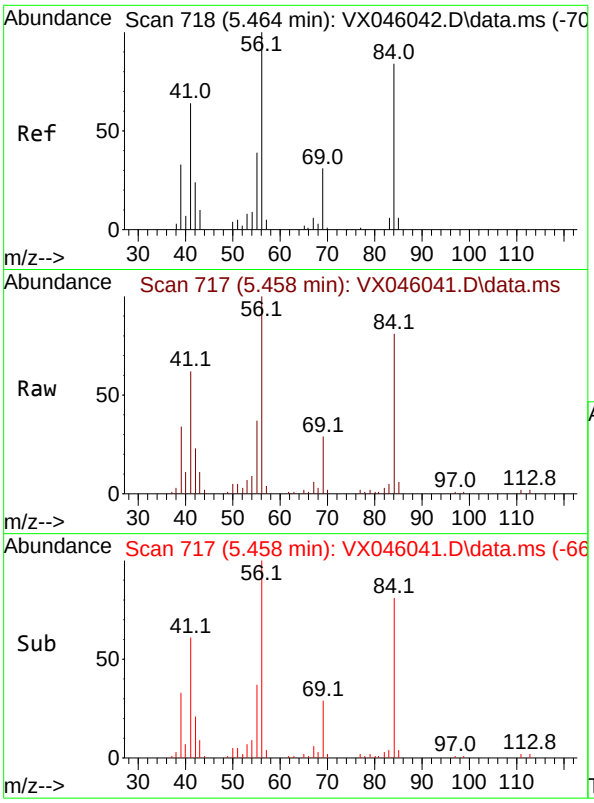


#30
Chloroform
Concen: 14.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 43065

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9



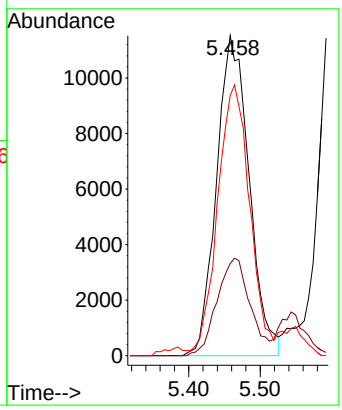


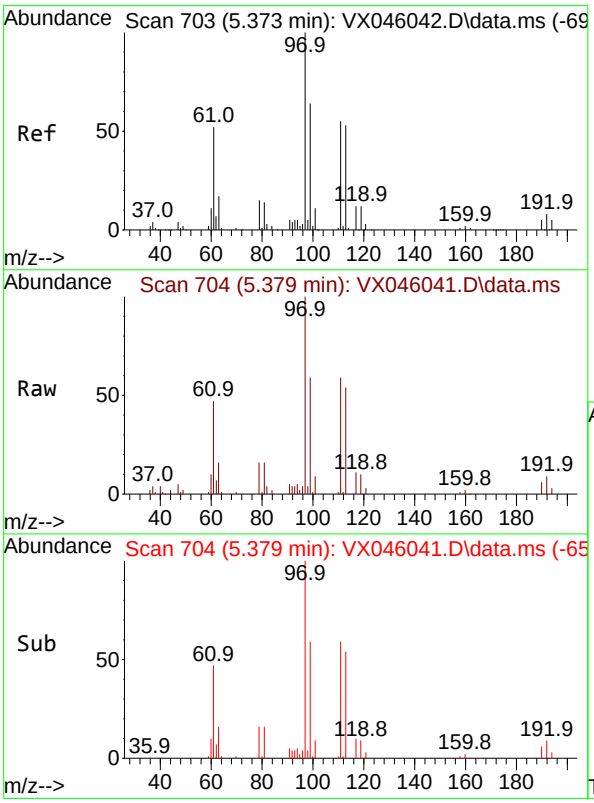
#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

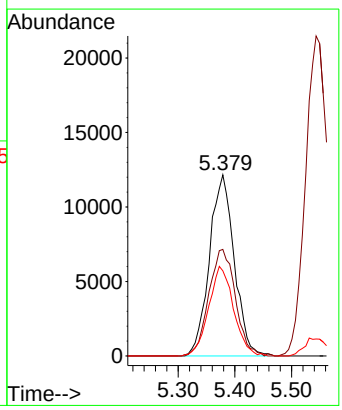


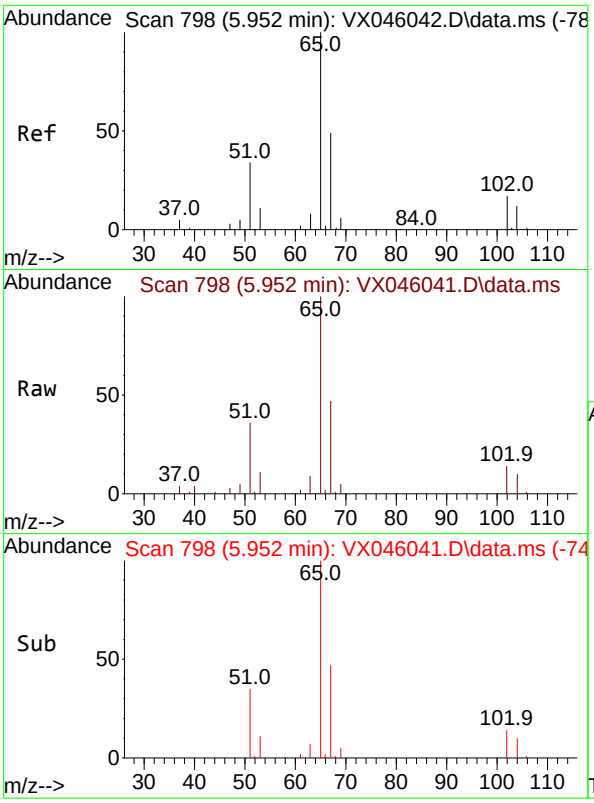


#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



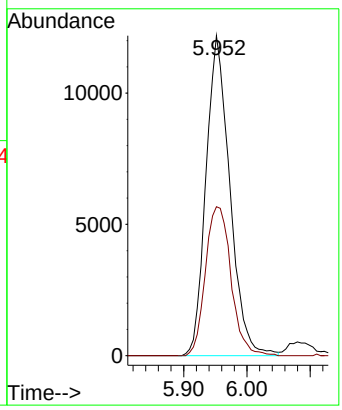


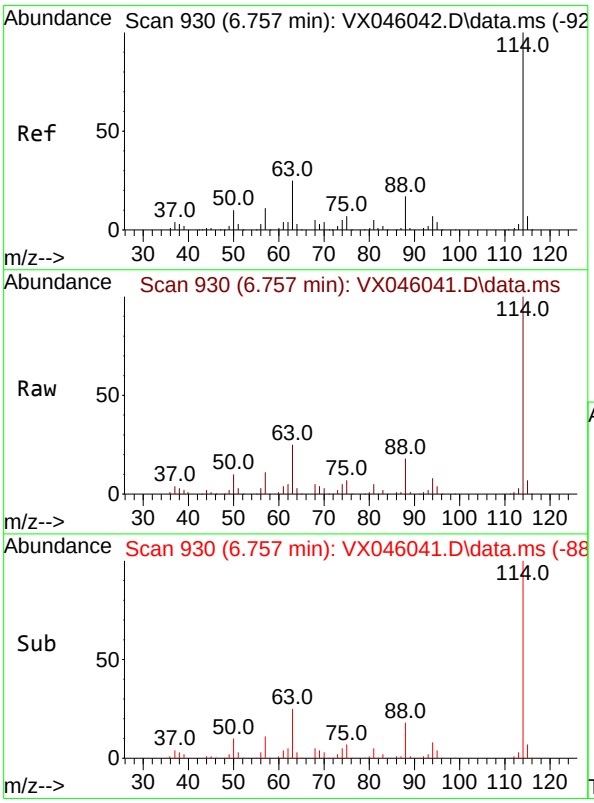
#33
1,2-Dichloroethane-d4
Concen: 12.820 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 31909

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0

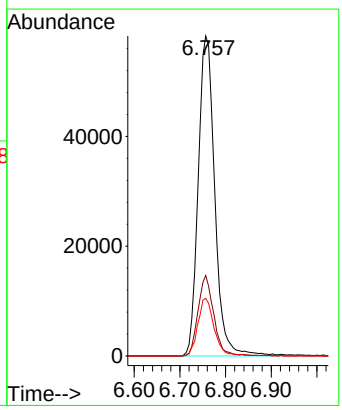


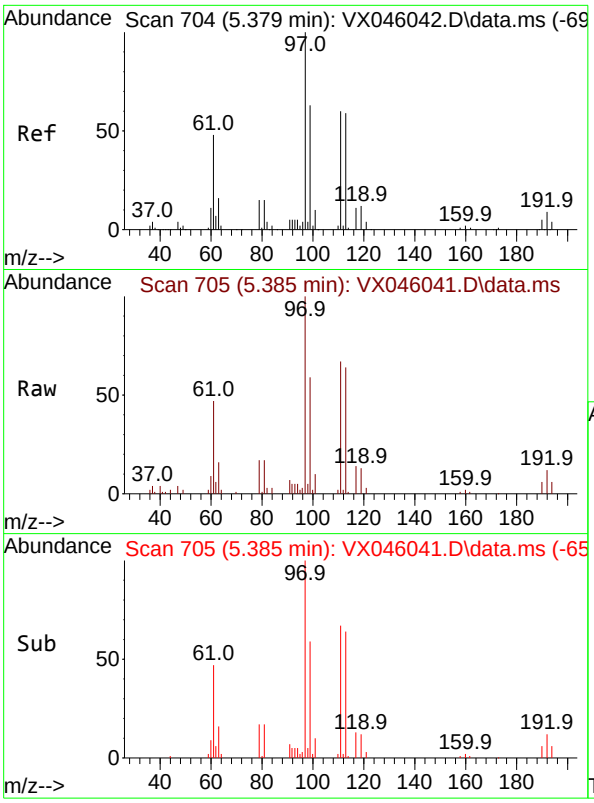


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



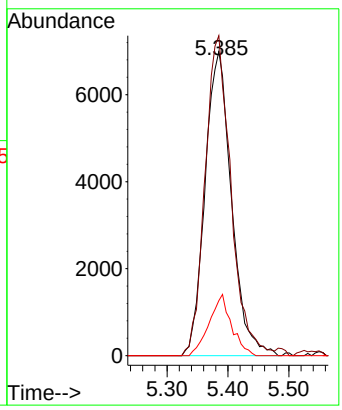


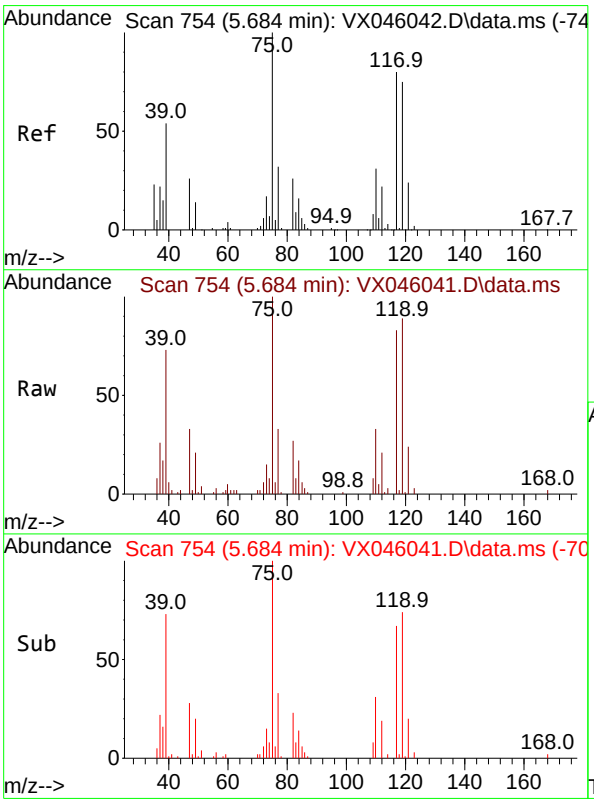
#35
Dibromofluoromethane
Concen: 12.804 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

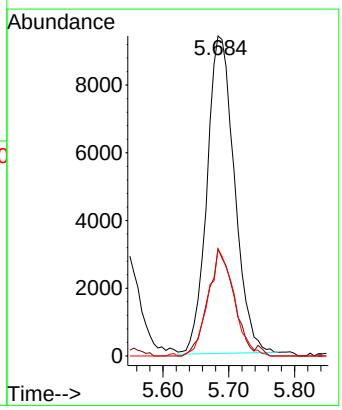


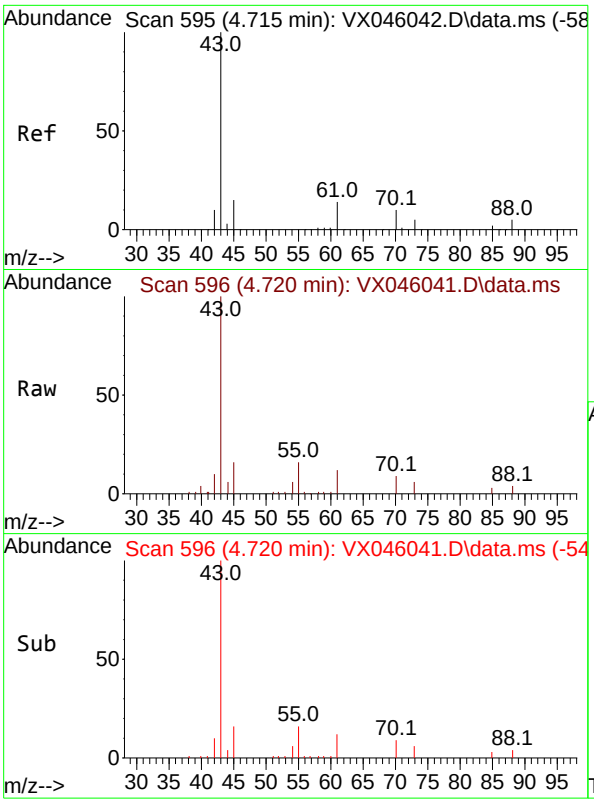


#36
1,1-Dichloropropene
Concen: 14.231 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



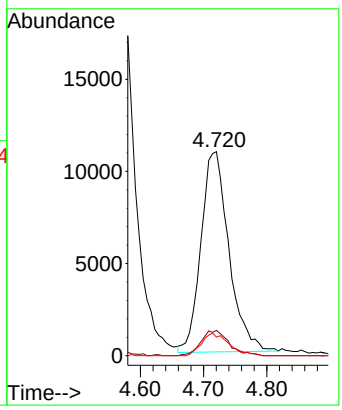


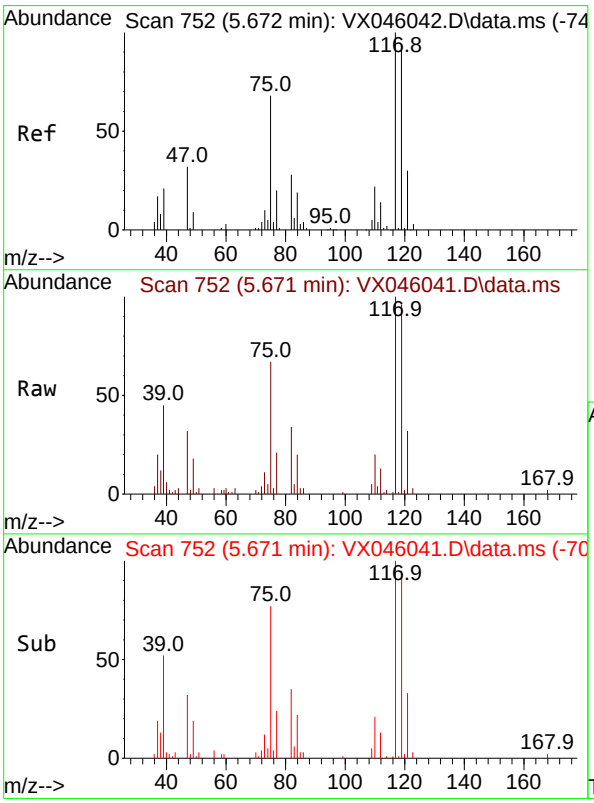
#37
Ethyl Acetate
Concen: 13.931 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

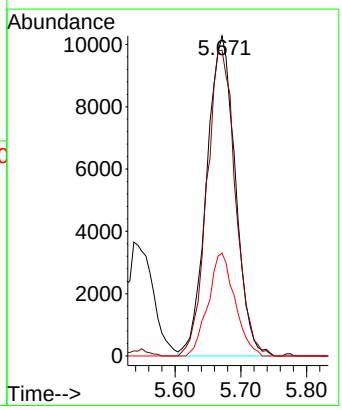


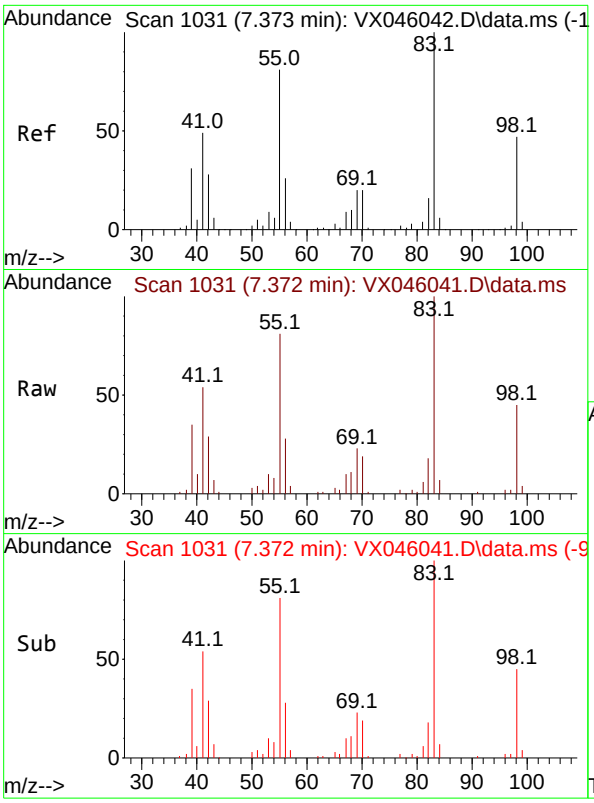


#38
Carbon Tetrachloride
Concen: 14.137 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



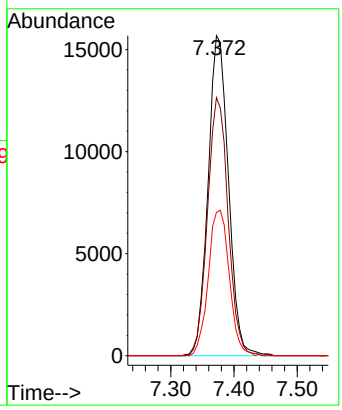


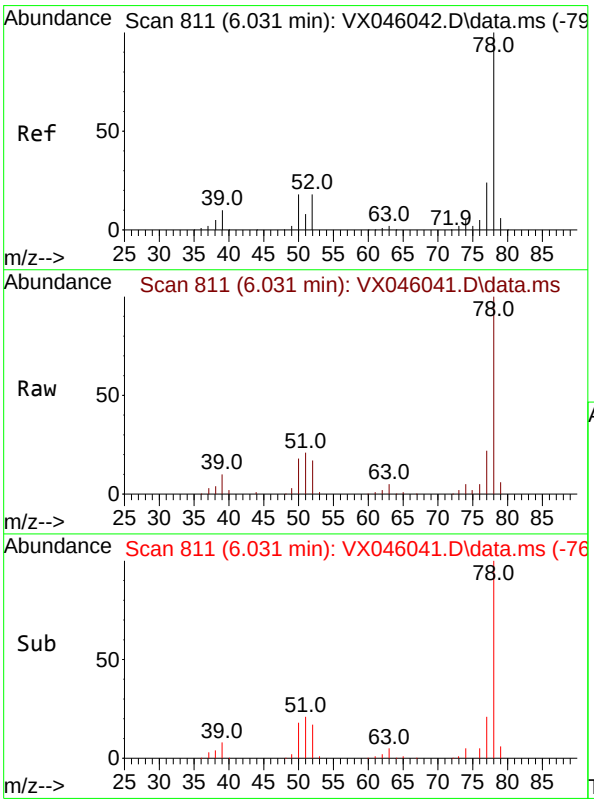
#39
Methylcyclohexane
Concen: 14.623 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

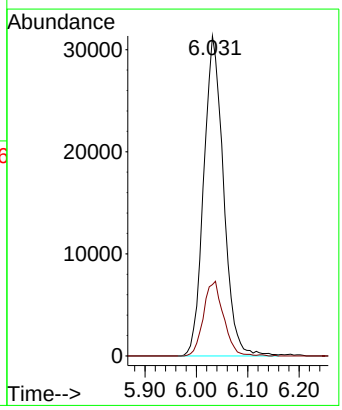


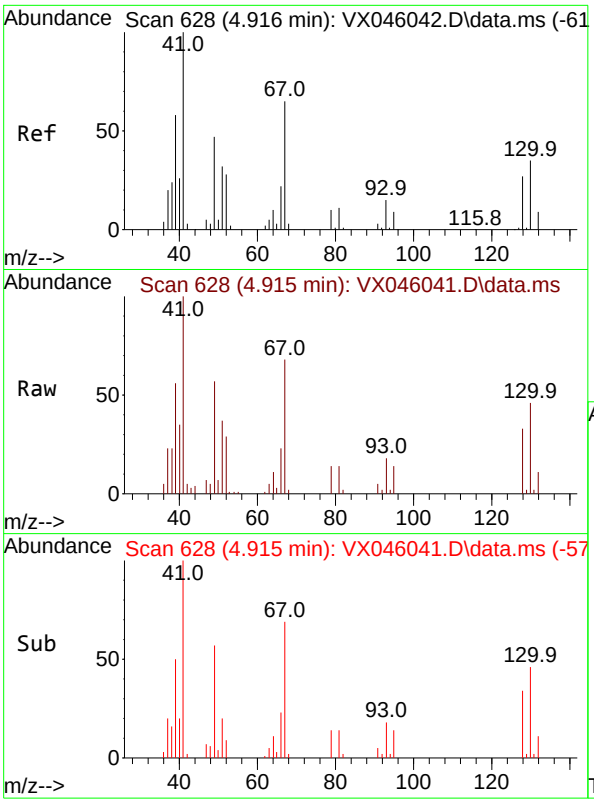


#40
Benzene
Concen: 14.140 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 78 Resp: 83898

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.4



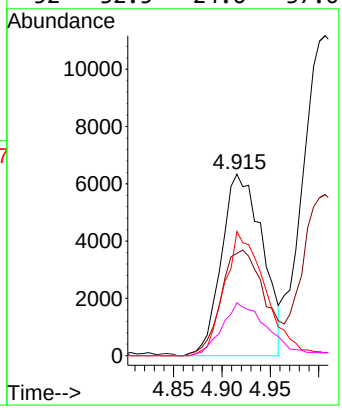


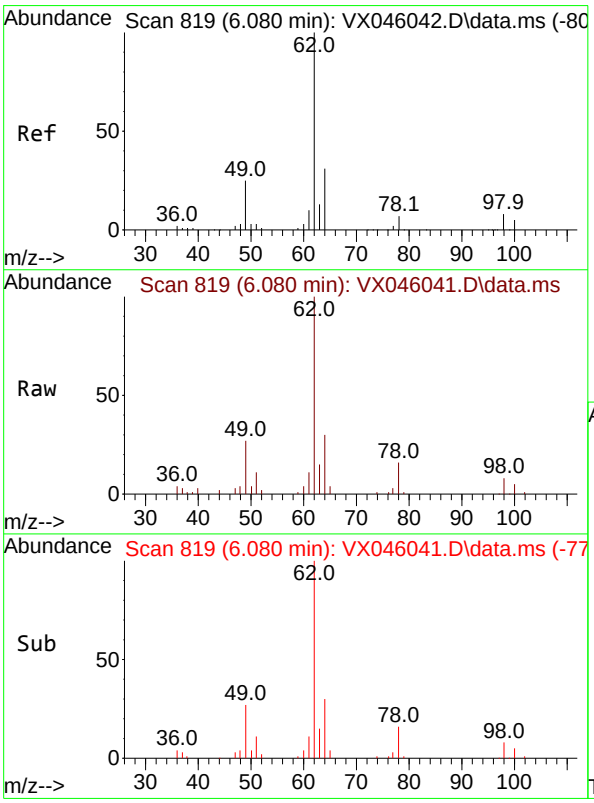
#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

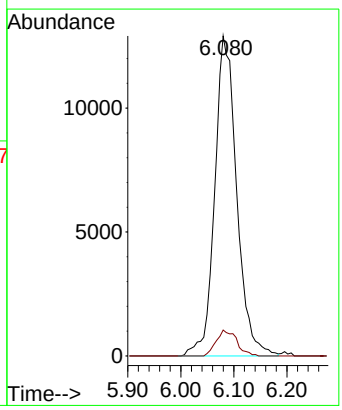


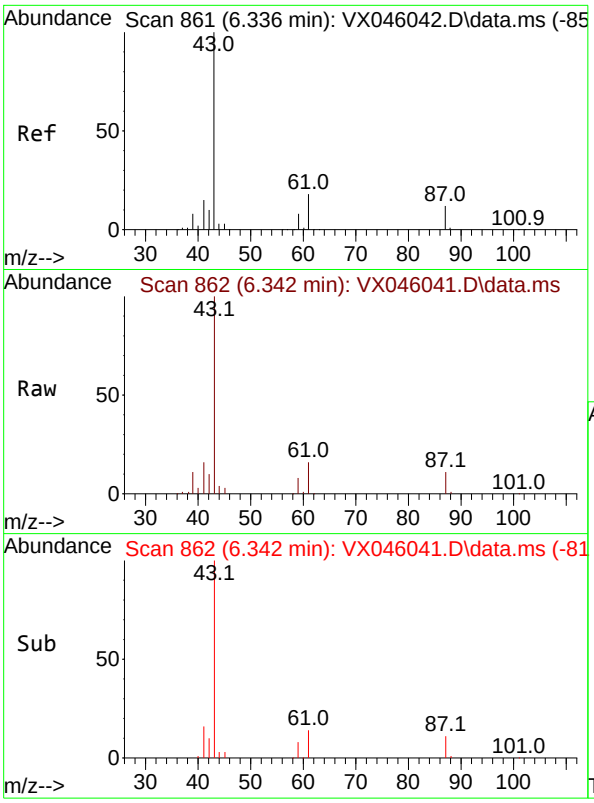


#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 37203

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



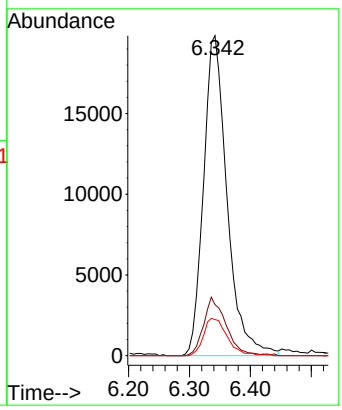


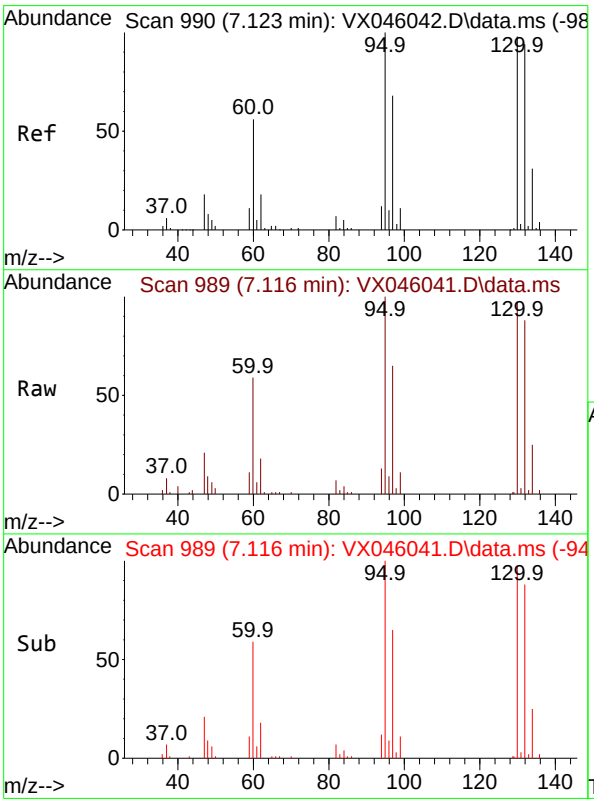
#43
Isopropyl Acetate
Concen: 14.512 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

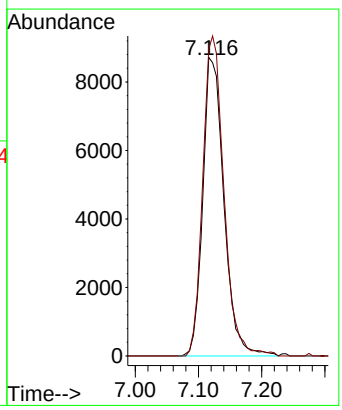


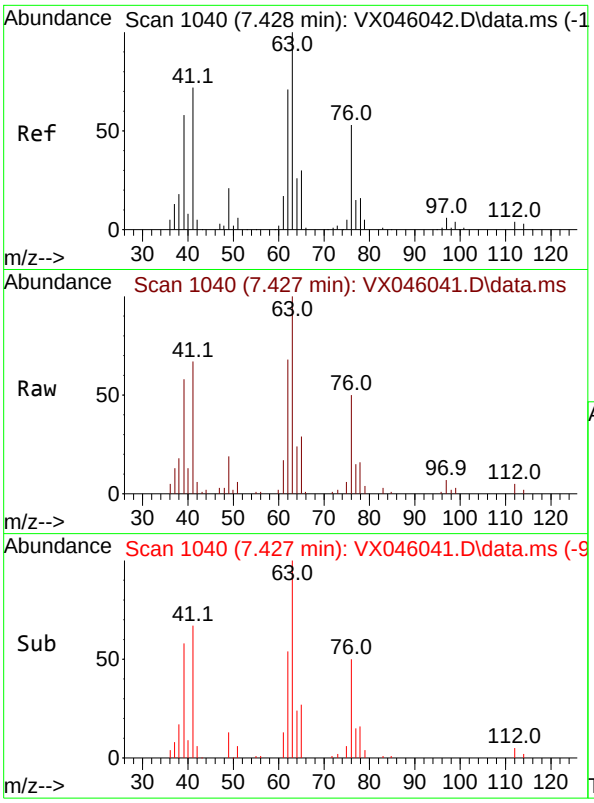


#44
Trichloroethene
Concen: 14.429 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:130 Resp: 20239

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	204.2



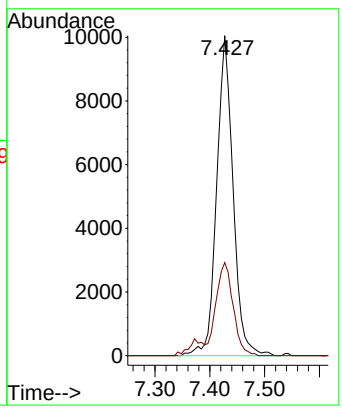


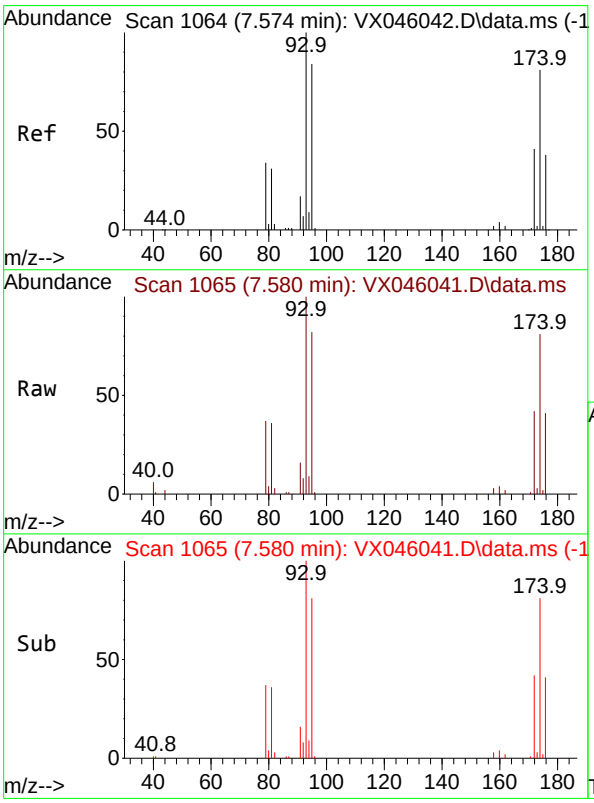
#45
1,2-Dichloropropane
Concen: 14.204 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 20940

Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.1	36.1

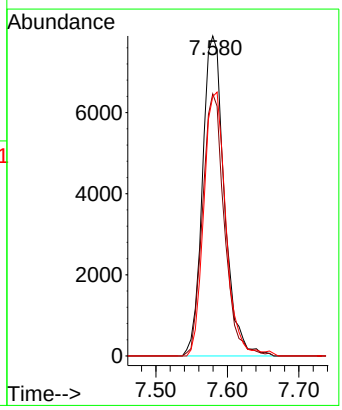


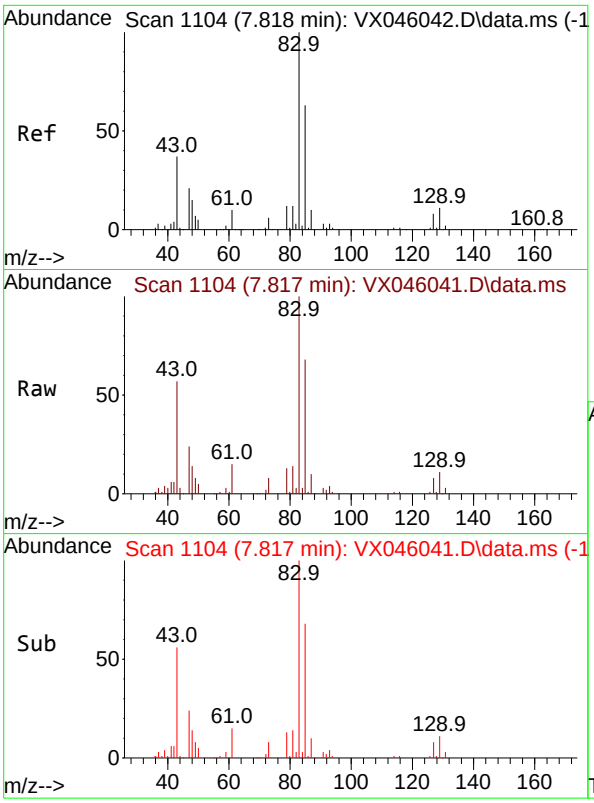


#46
Dibromomethane
Concen: 14.439 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



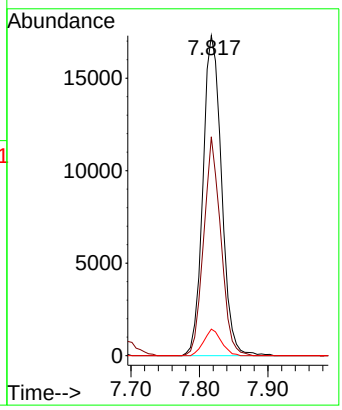


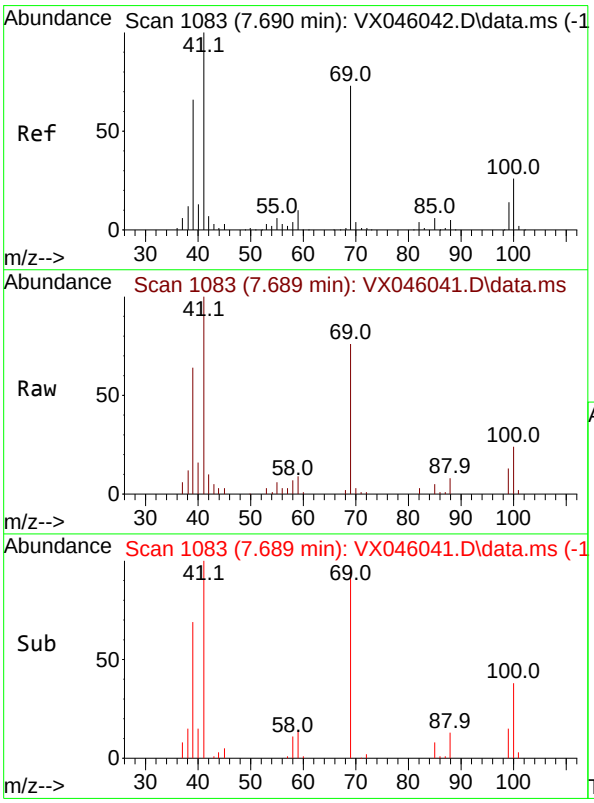
#47
Bromodichloromethane
Concen: 14.545 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

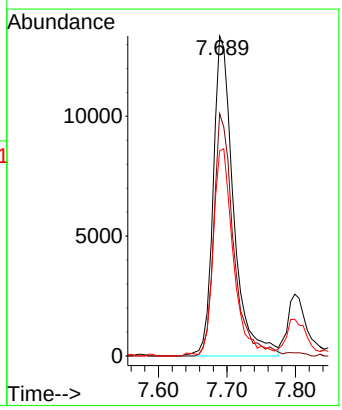


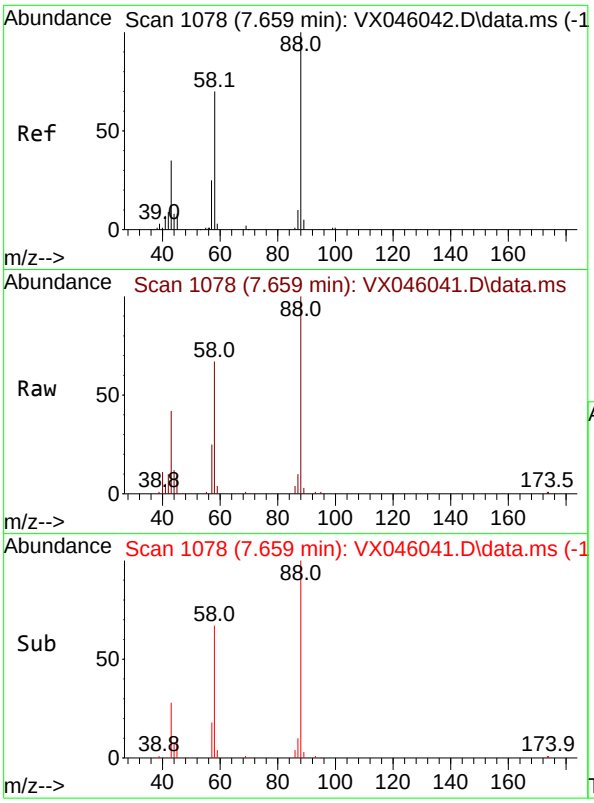


#48
Methyl methacrylate
Concen: 14.521 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



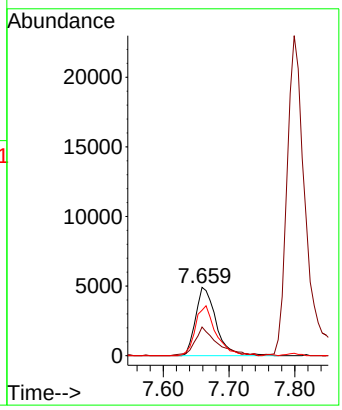


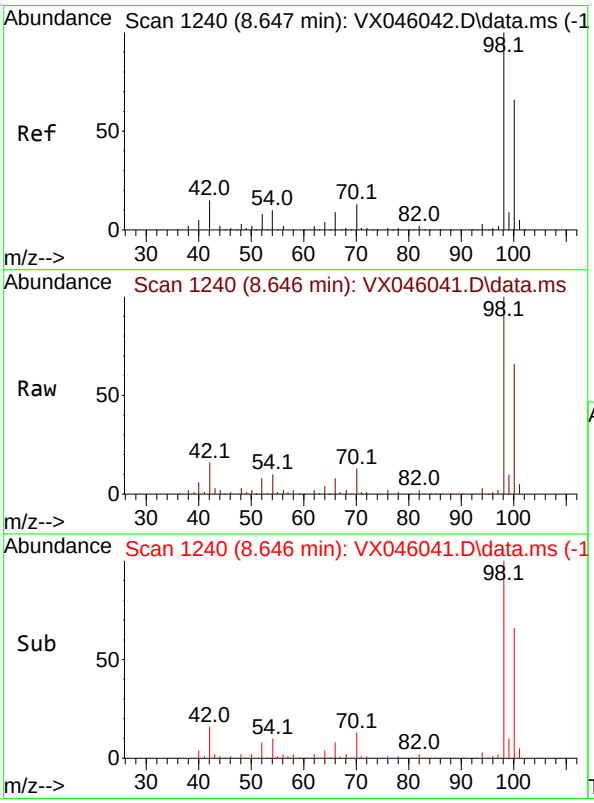
#49
1,4-Dioxane
Concen: 282.442 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

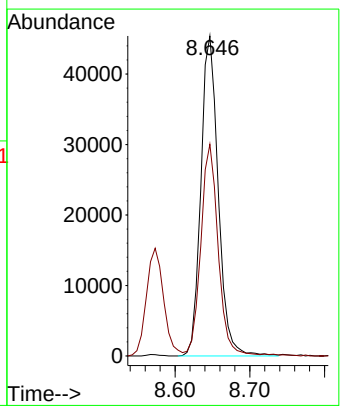


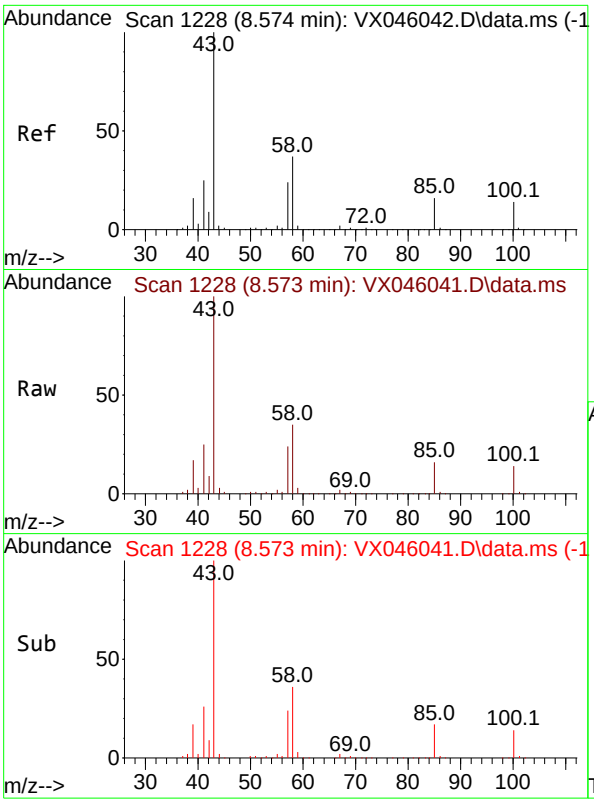


#50
Toluene-d8
Concen: 13.200 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 98 Resp: 73333

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.5	80.3



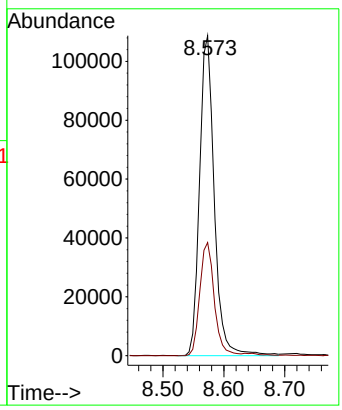


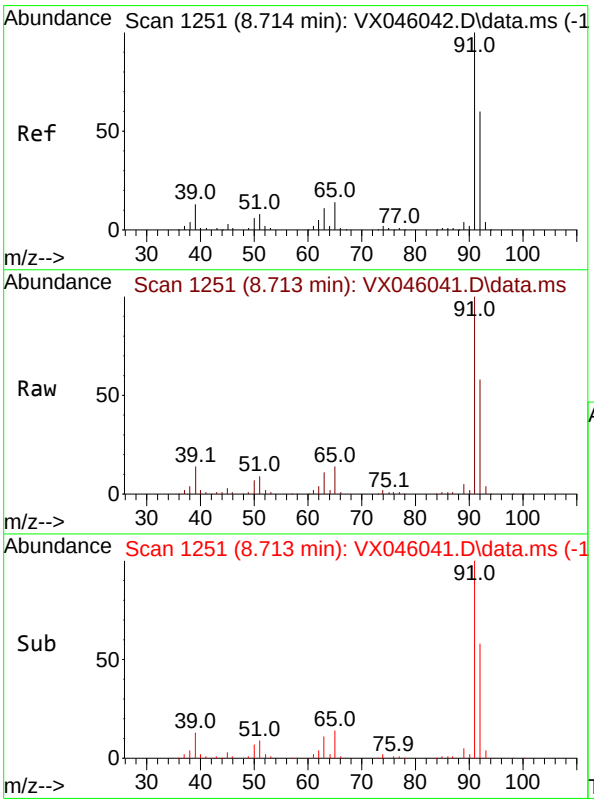
#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 182455

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

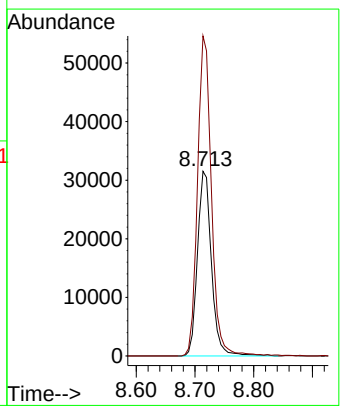


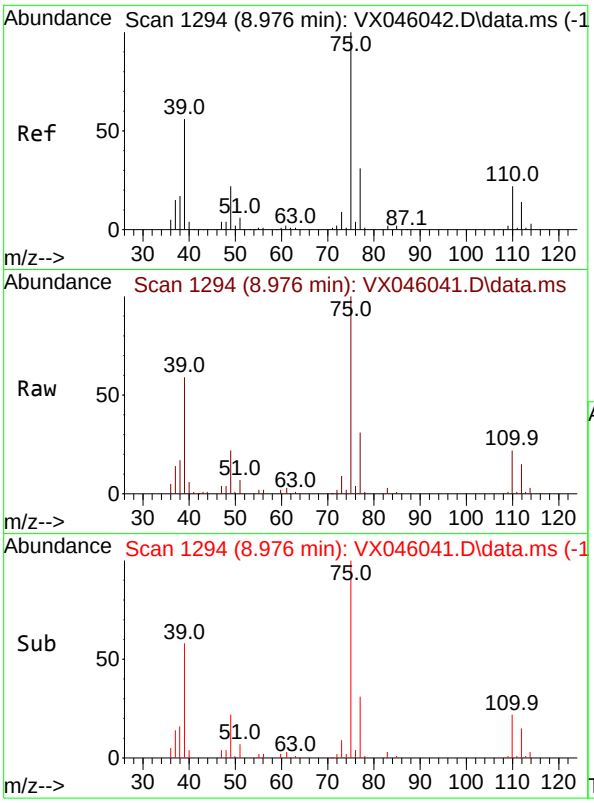


#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.6	205.0



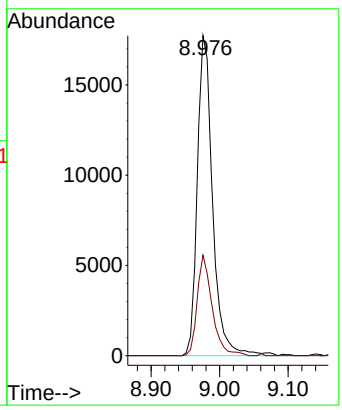


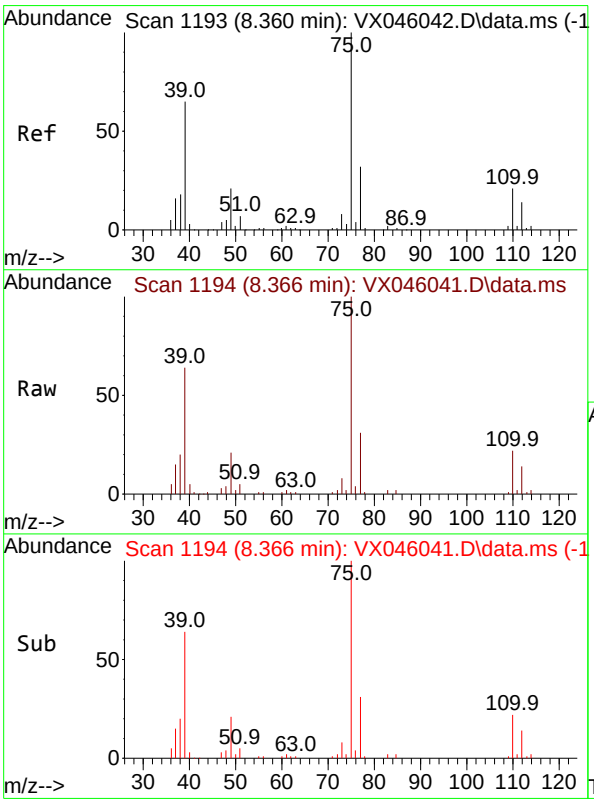
#53
t-1,3-Dichloropropene
Concen: 14.566 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 27549

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

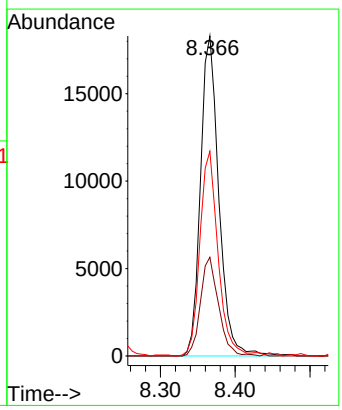


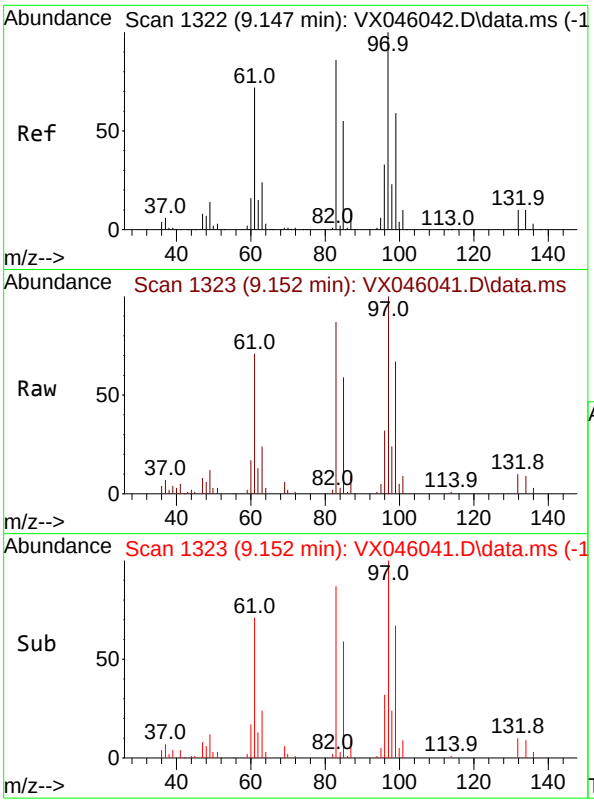


#54
cis-1,3-Dichloropropene
Concen: 14.154 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



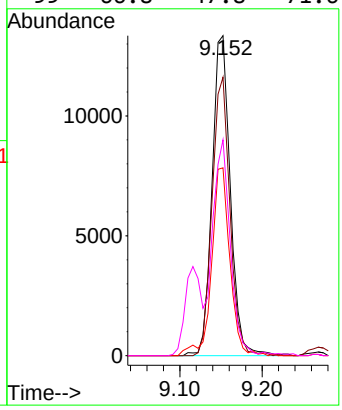


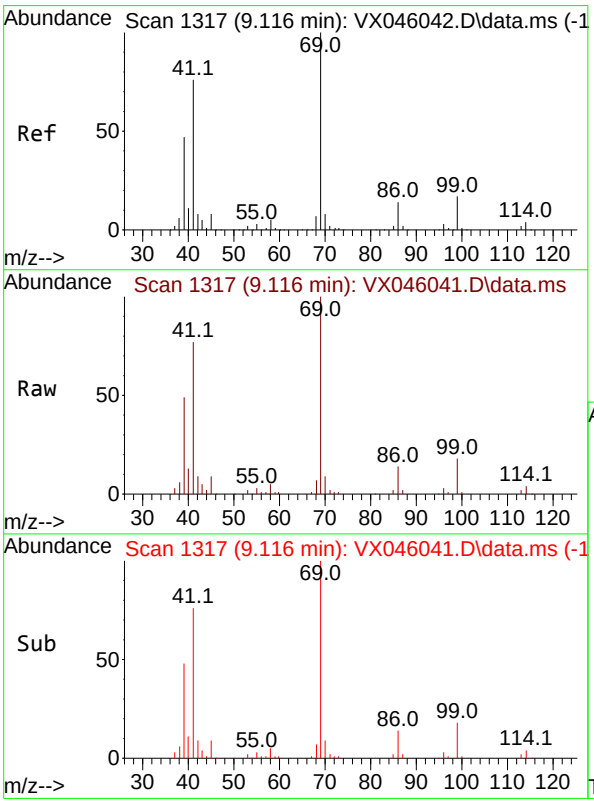
#55
1,1,2-Trichloroethane
Concen: 14.442 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

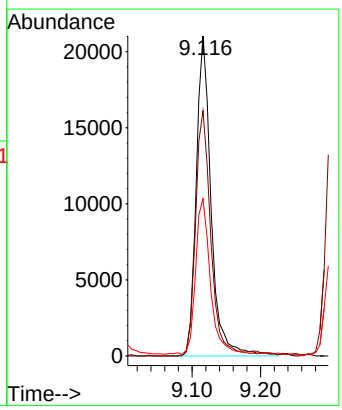


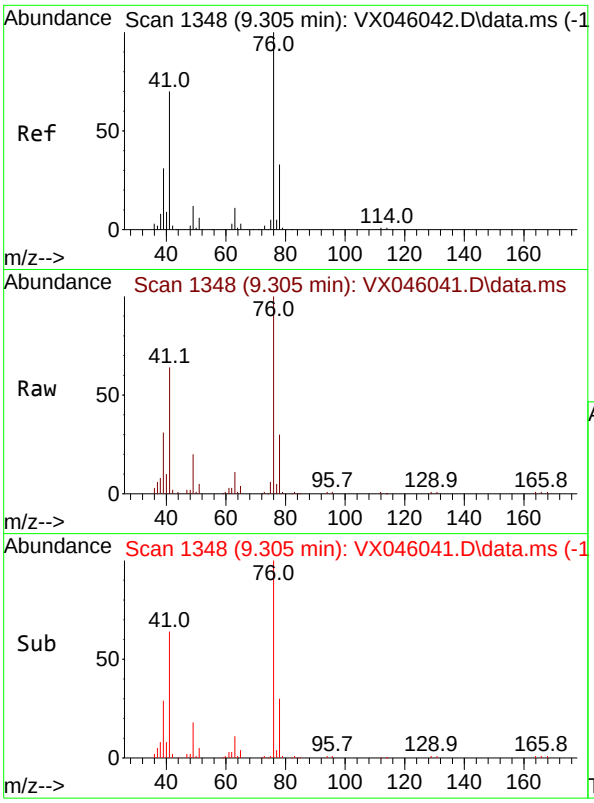


#56
Ethyl methacrylate
Concen: 14.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



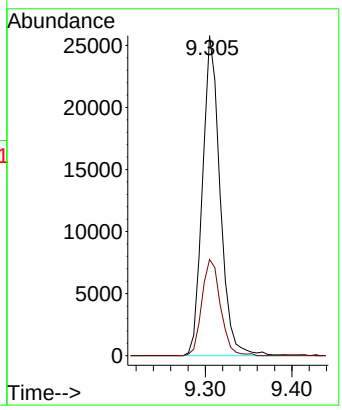


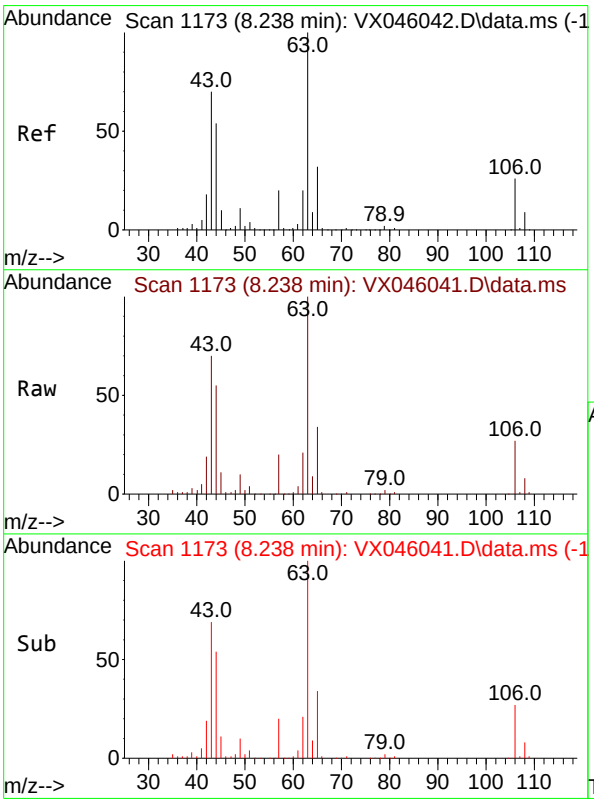
#57
1,3-Dichloropropane
Concen: 14.417 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 36341

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5

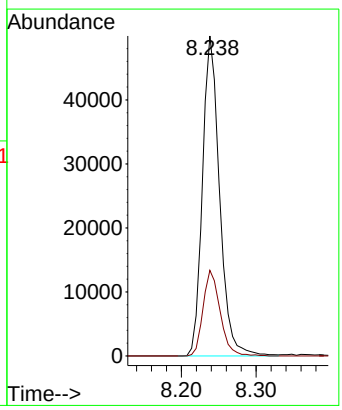


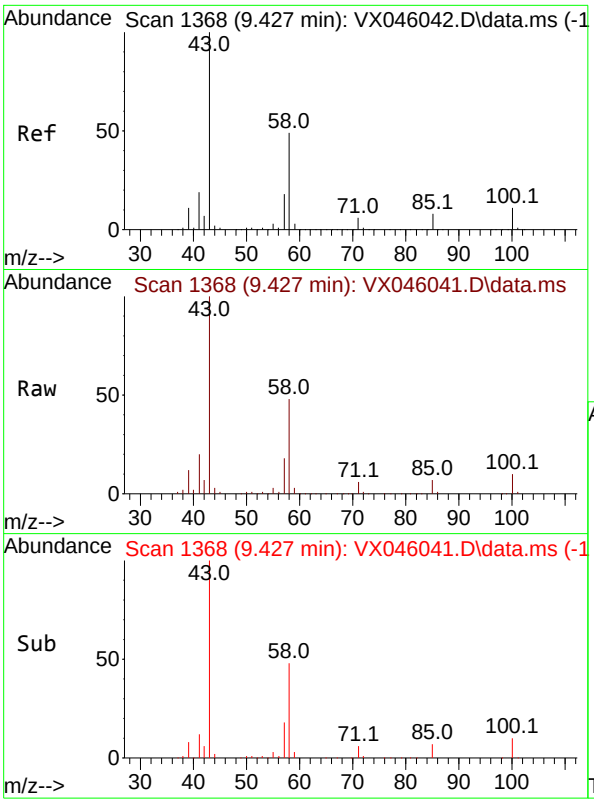


#58
2-Chloroethyl Vinyl ether
Concen: 80.312 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 79531

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



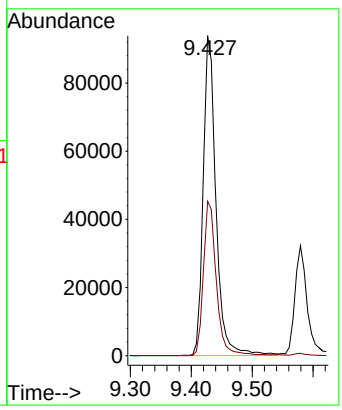


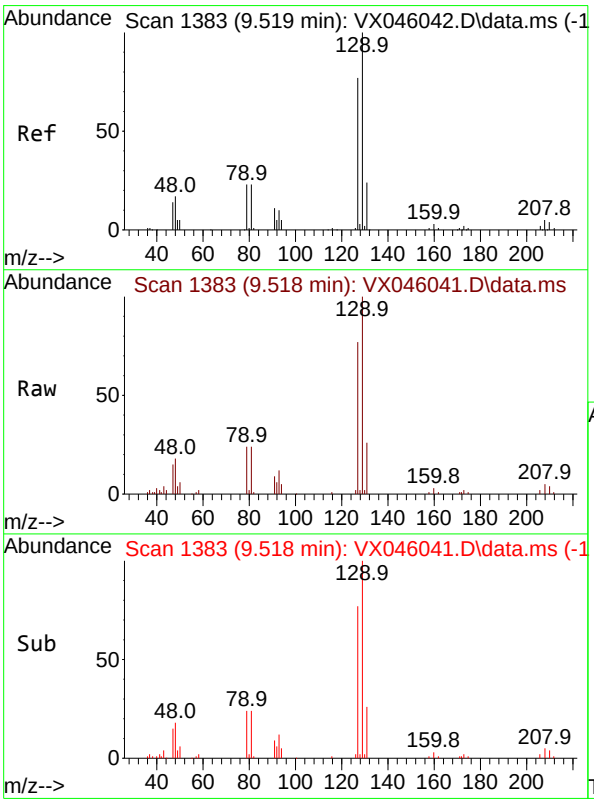
#59
2-Hexanone
Concen: 74.997 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 137054

Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6

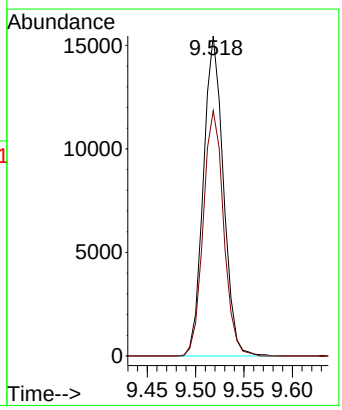


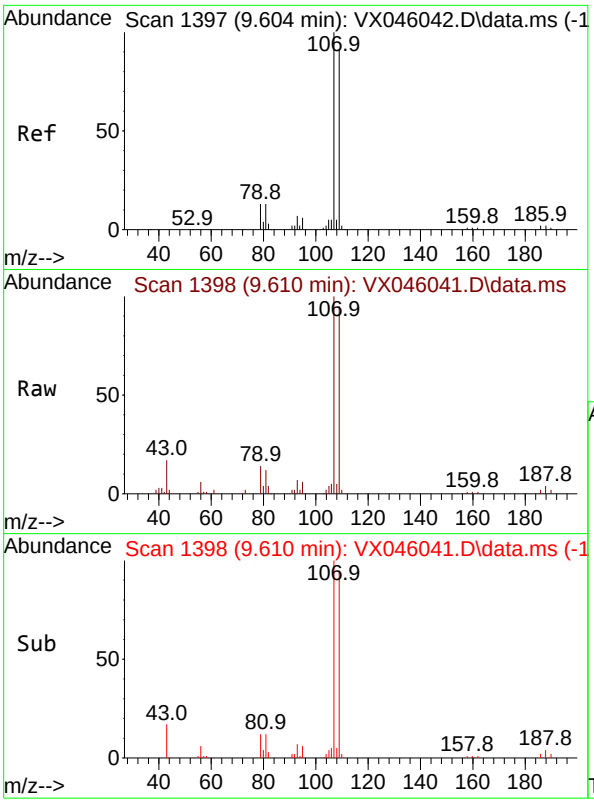


#60
Dibromochloromethane
Concen: 14.387 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:129 Resp: 22267

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.3	117.8



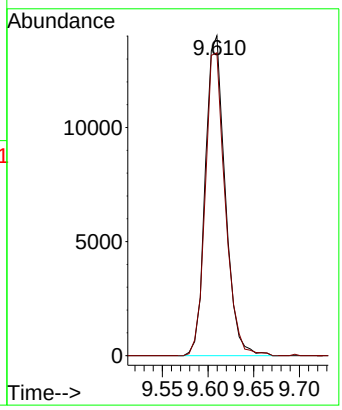


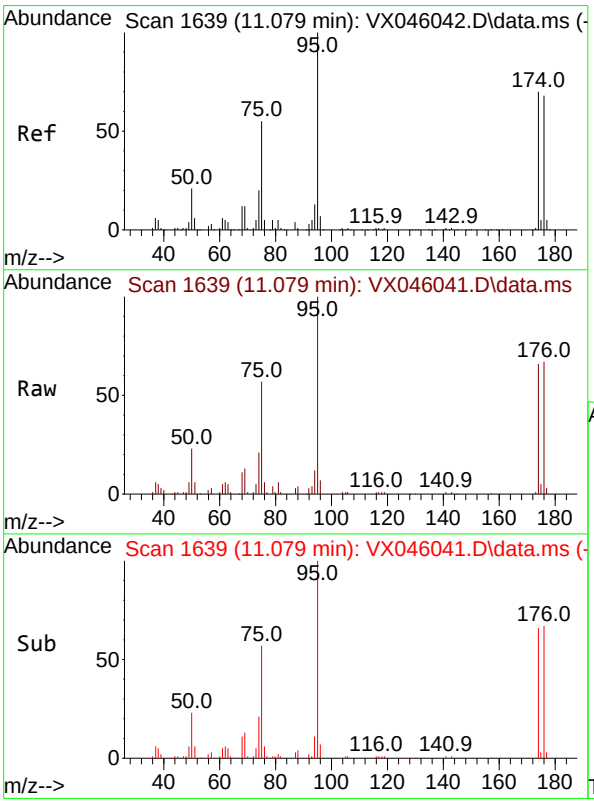
#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 21113

Ion	Ratio	Lower	Upper
107	100		
109	95.3	73.3	109.9

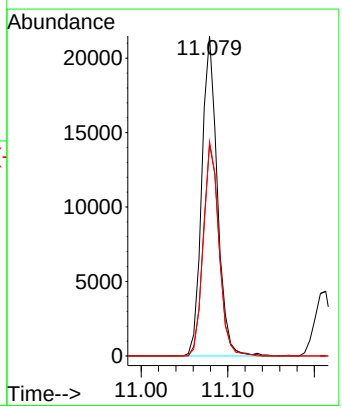


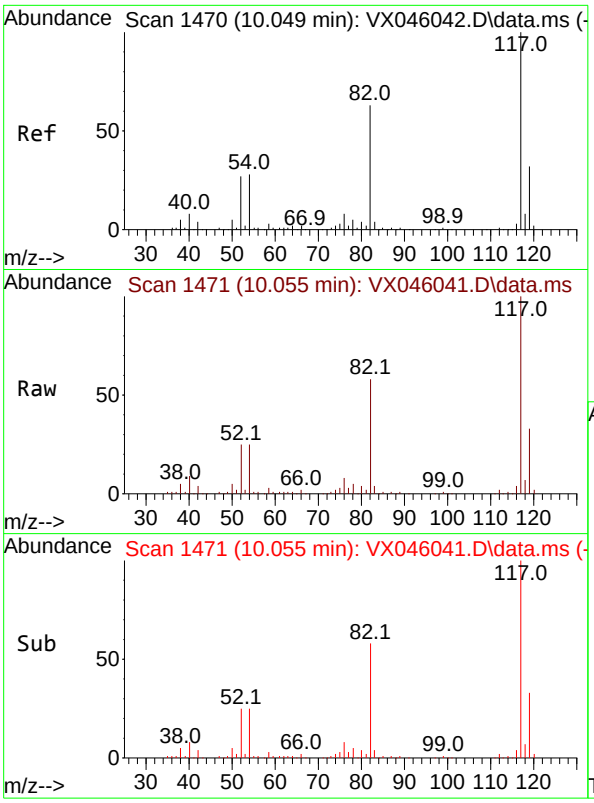


#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



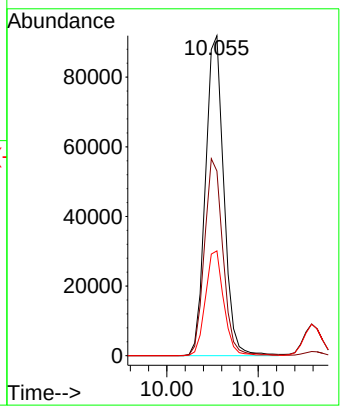


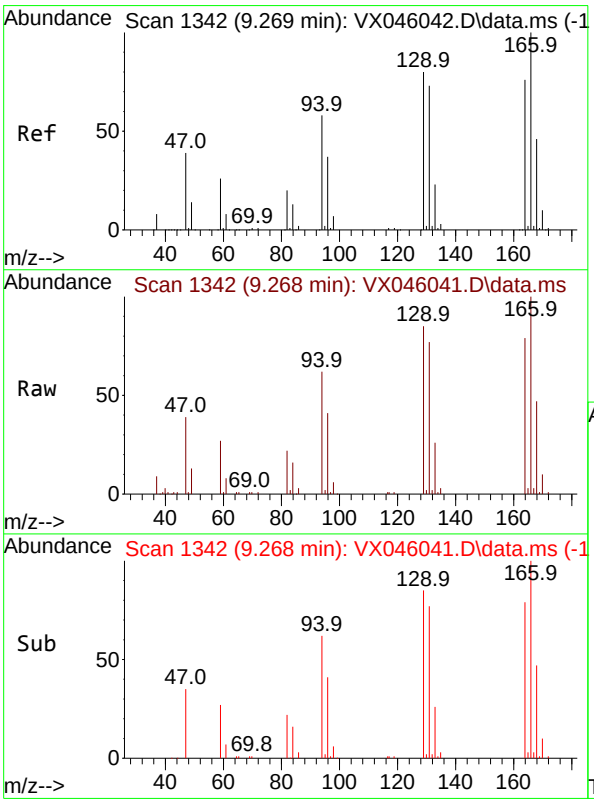
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

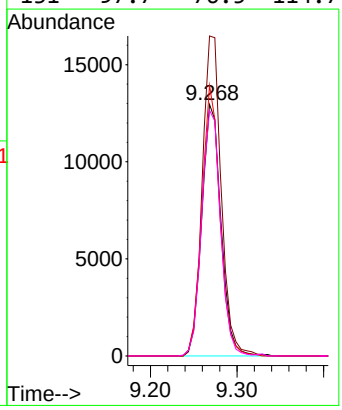


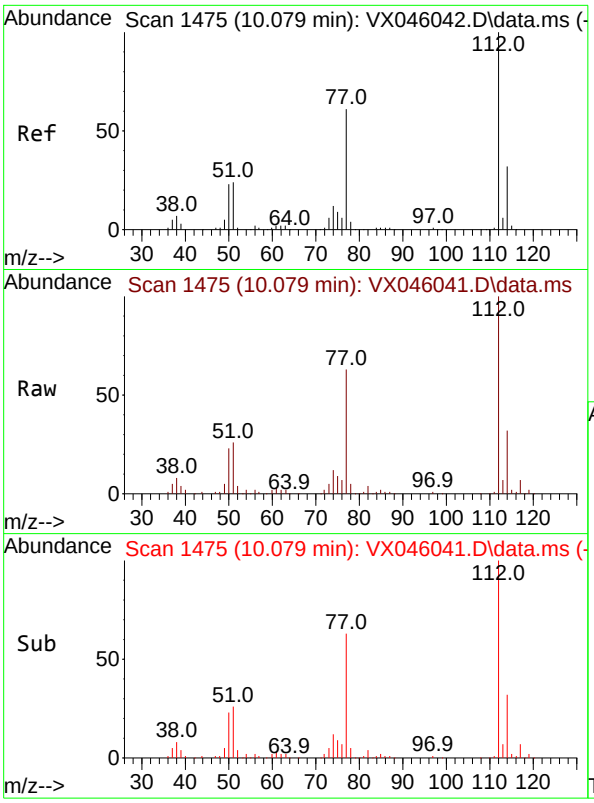


#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



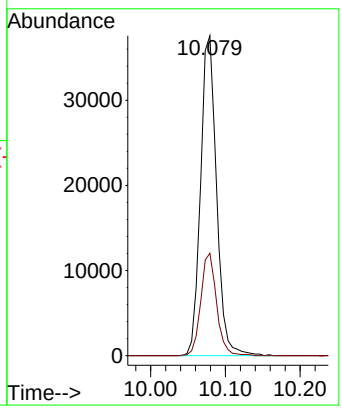


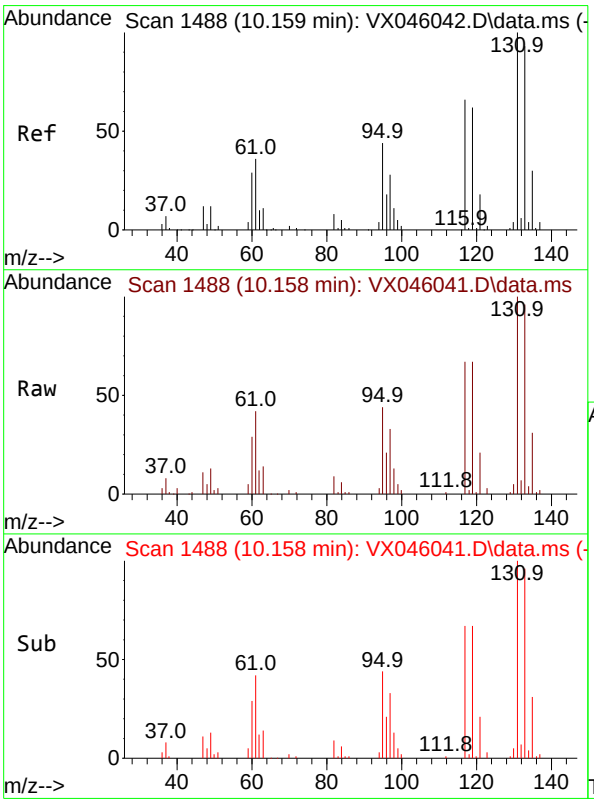
#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 55863

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2

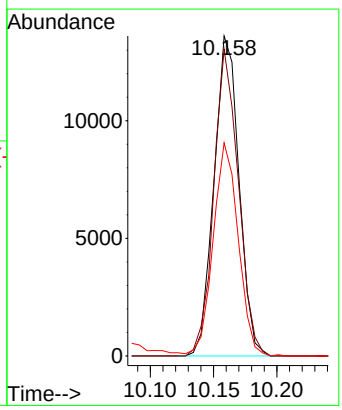


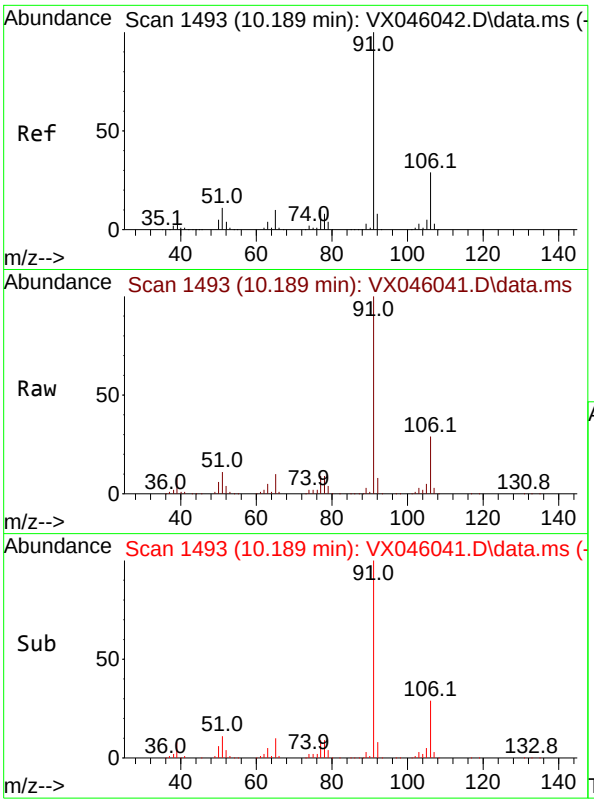


#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



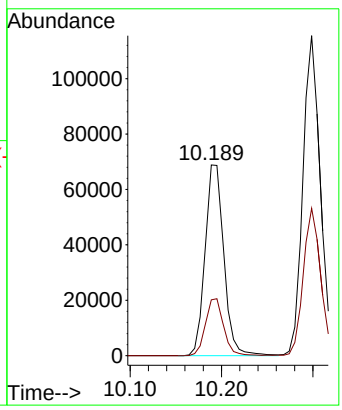


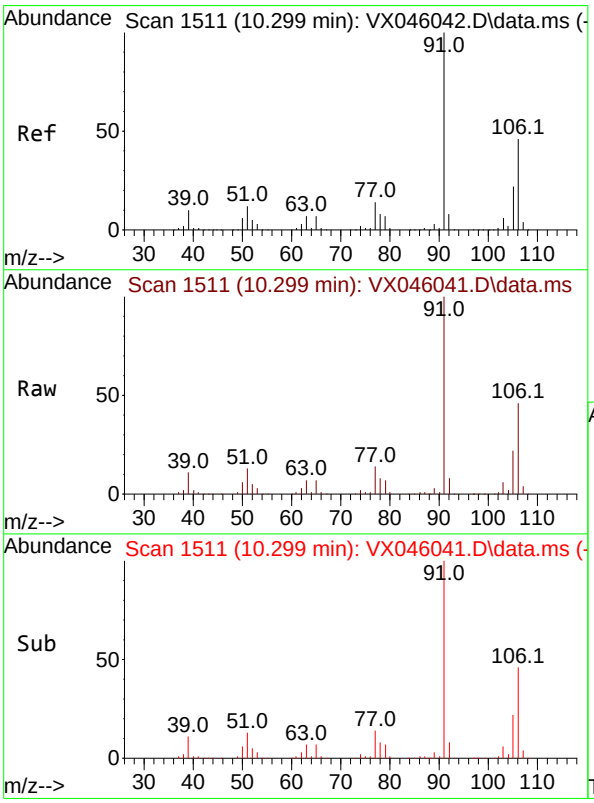
#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 98113

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

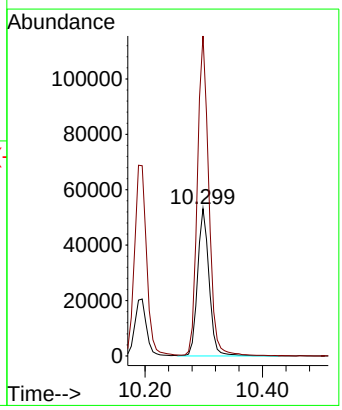


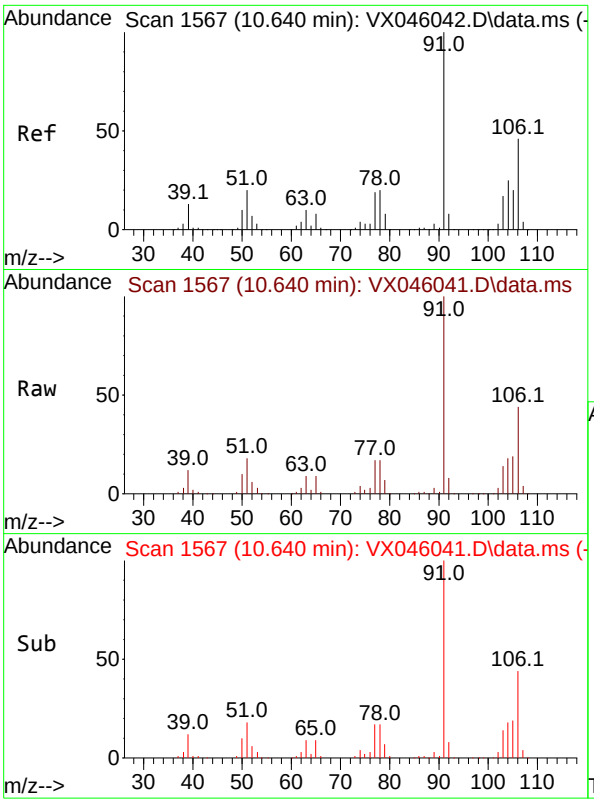


#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202

Ion	Ratio	Lower	Upper
106	100		
91	216.1	171.2	256.8



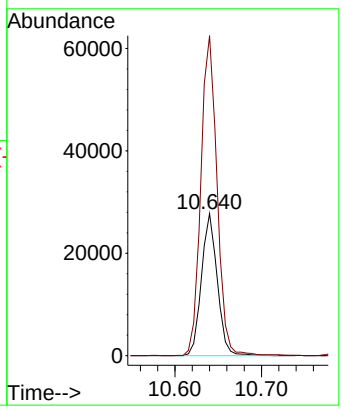


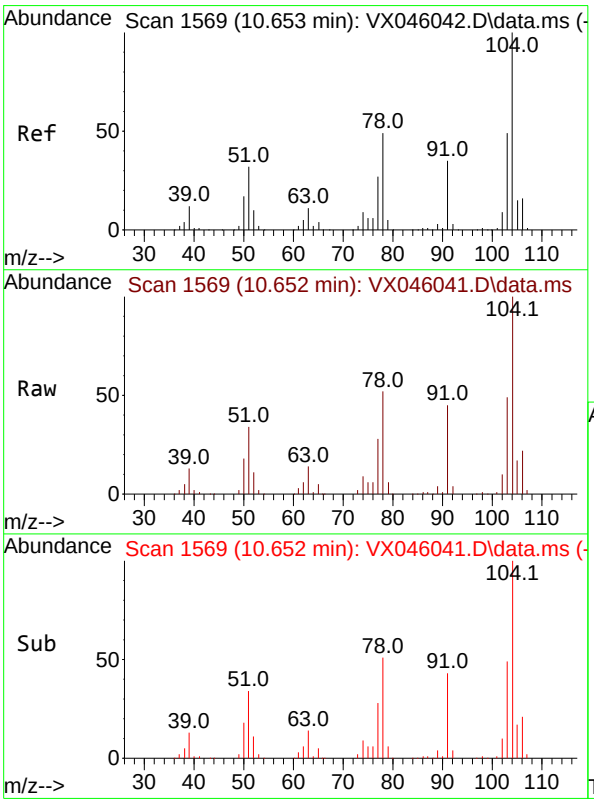
#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 35178

Ion	Ratio	Lower	Upper
106	100		
91	231.7	112.7	338.1

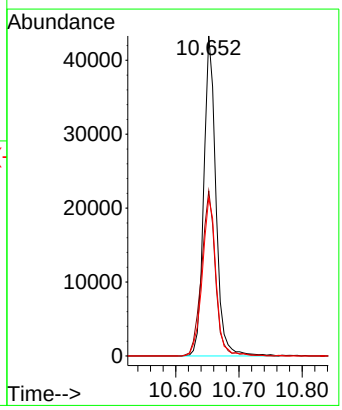


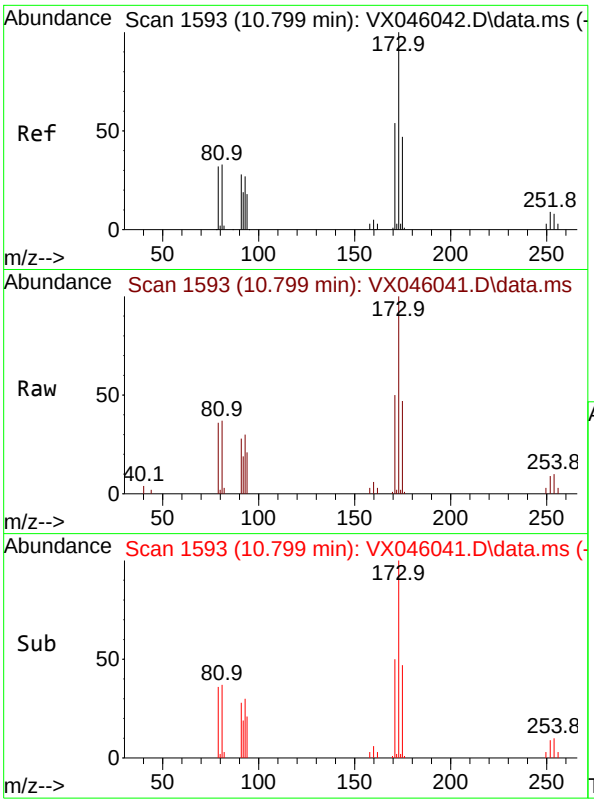


#70
Styrene
Concen: 14.853 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



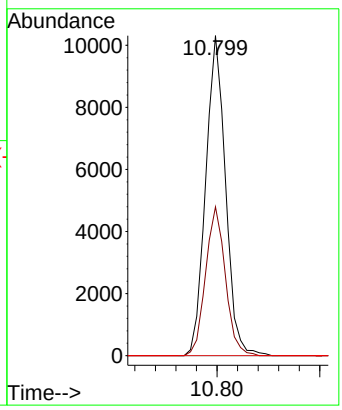


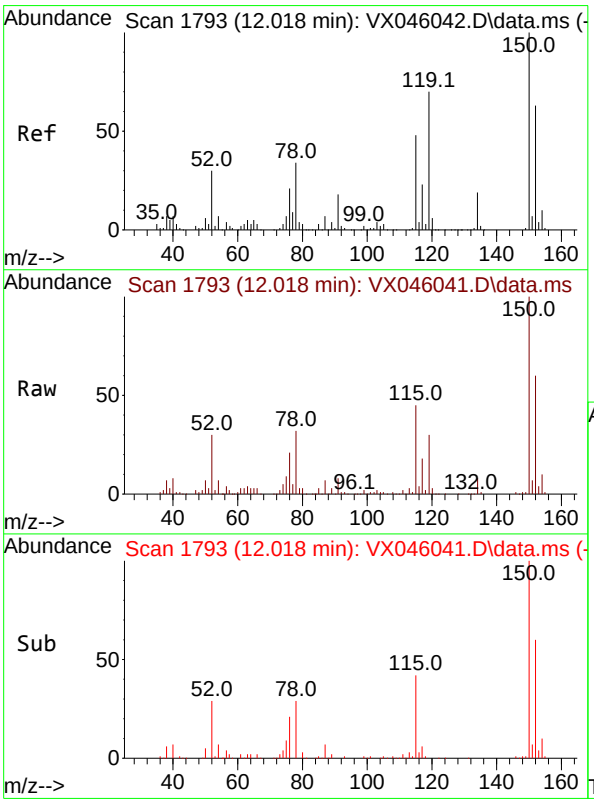
#71
Bromoform
Concen: 14.030 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

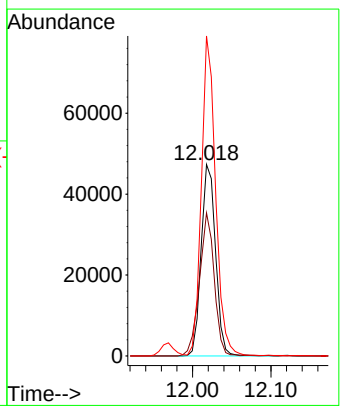


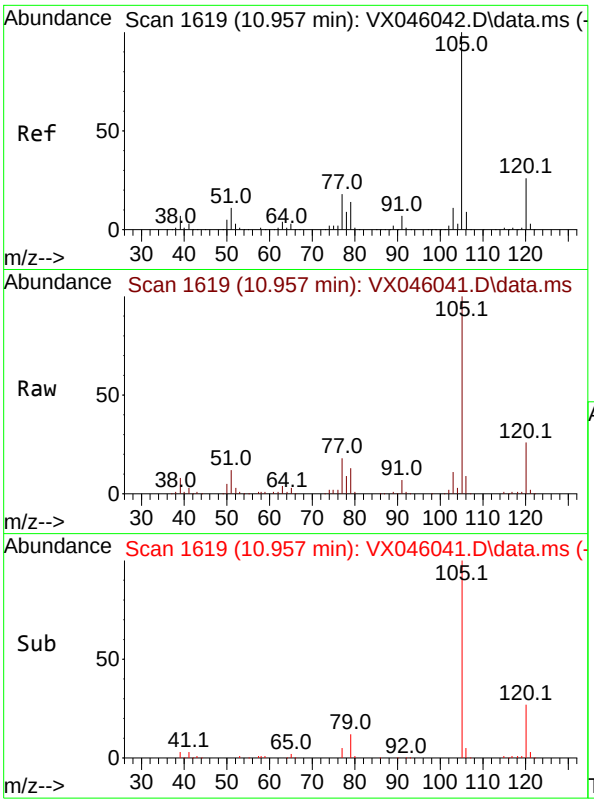


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



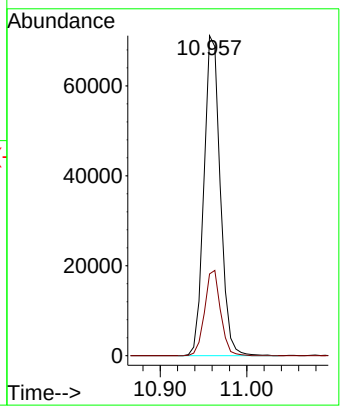


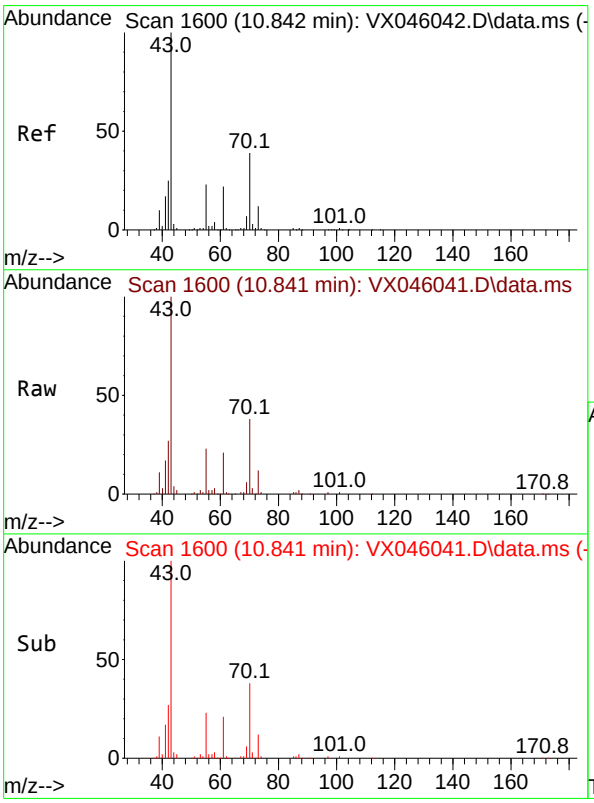
#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 93013

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

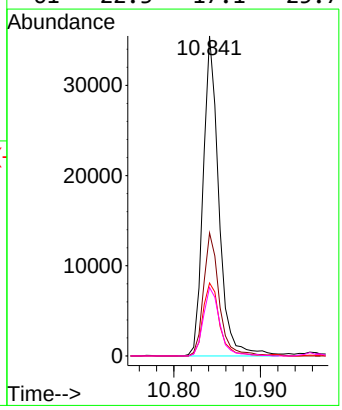


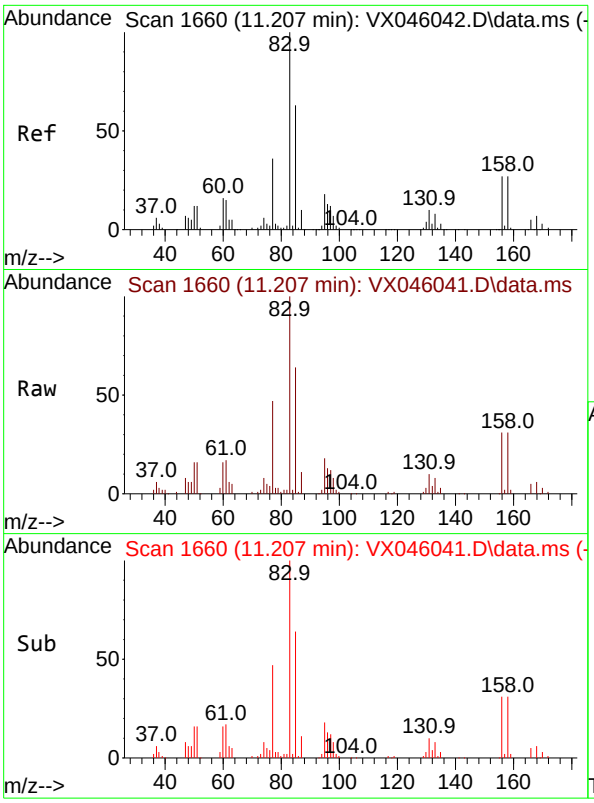


#74
N-amyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



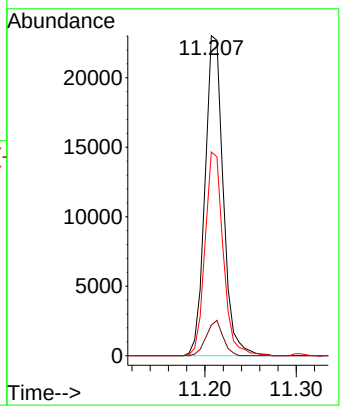


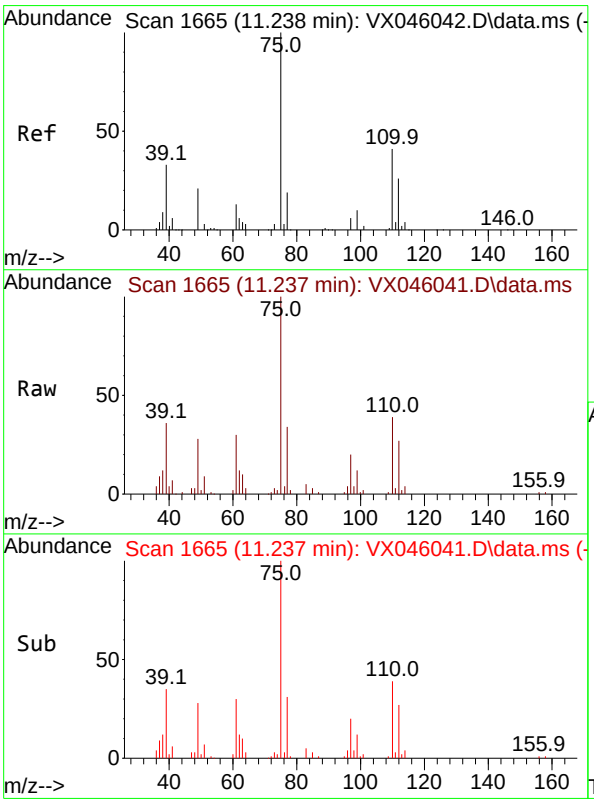
#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

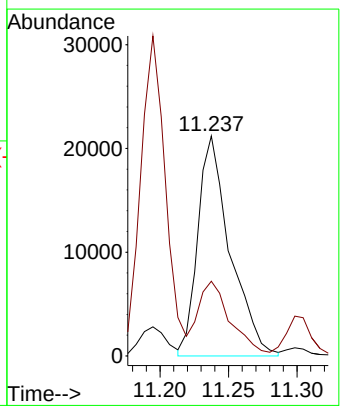


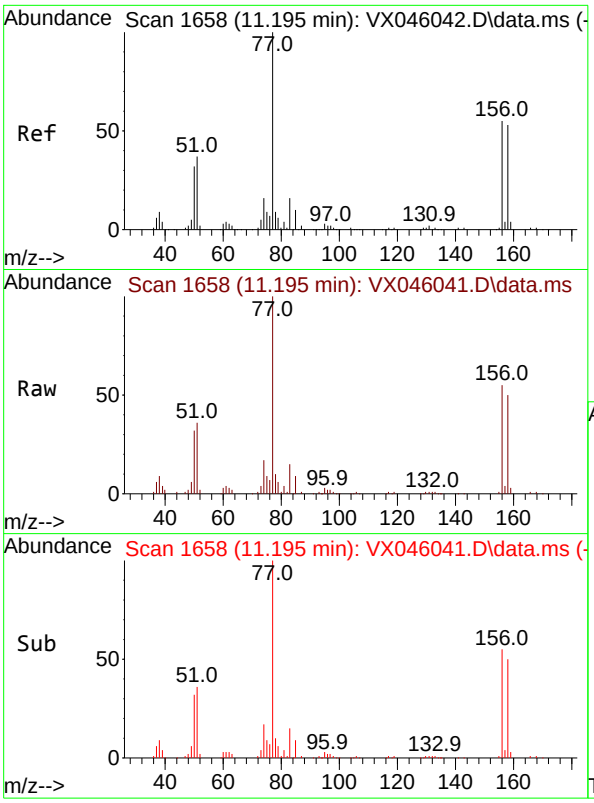


#76
1,2,3-Trichloropropane
Concen: 13.811 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 34837

Ion	Ratio	Lower	Upper
75	100		
77	34.4	20.5	61.5



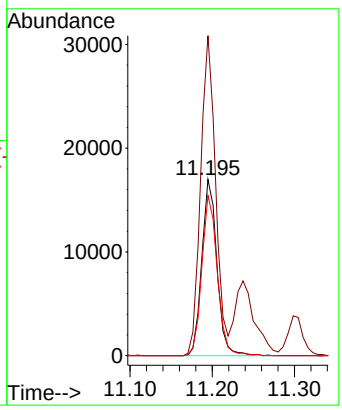


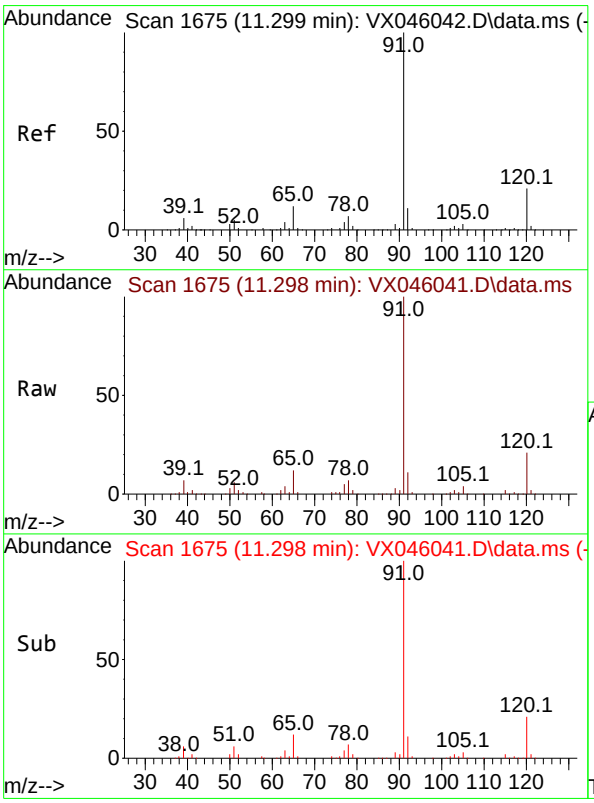
#77
Bromobenzene
Concen: 14.212 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

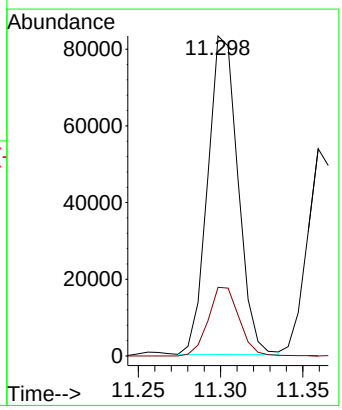


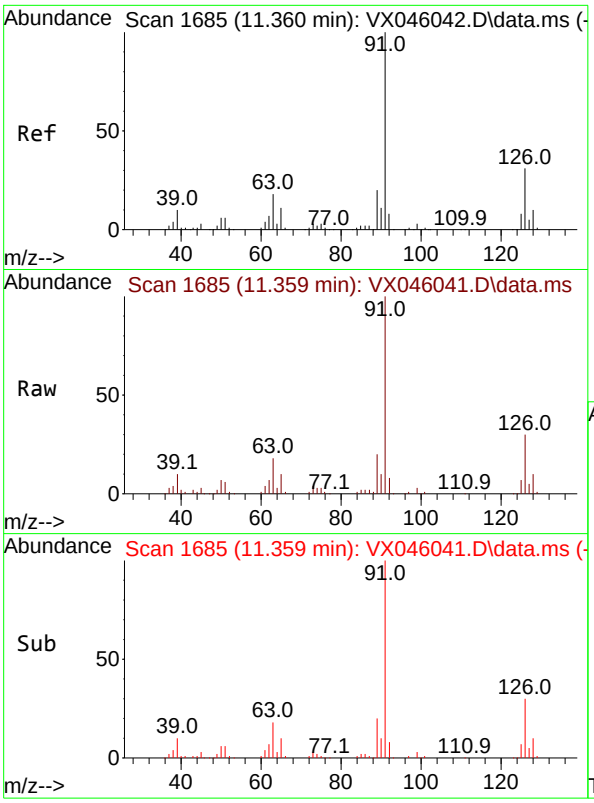


#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 106337

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



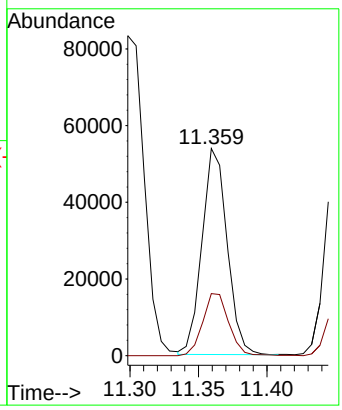


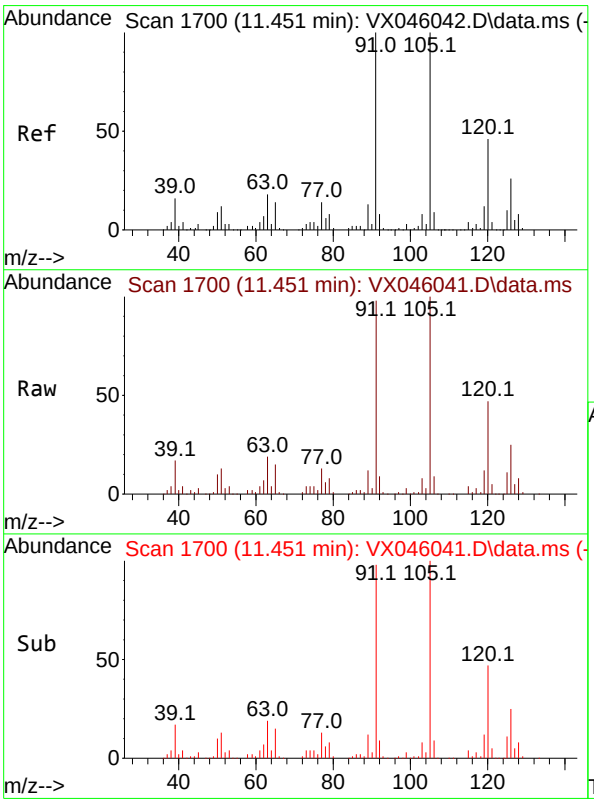
#79
2-Chlorotoluene
Concen: 13.748 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 68534

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7

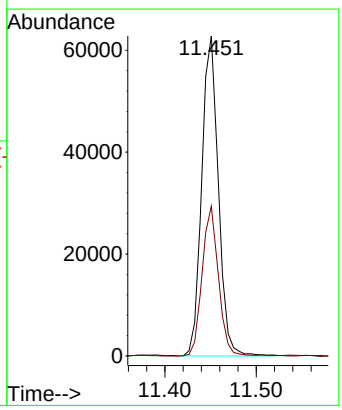


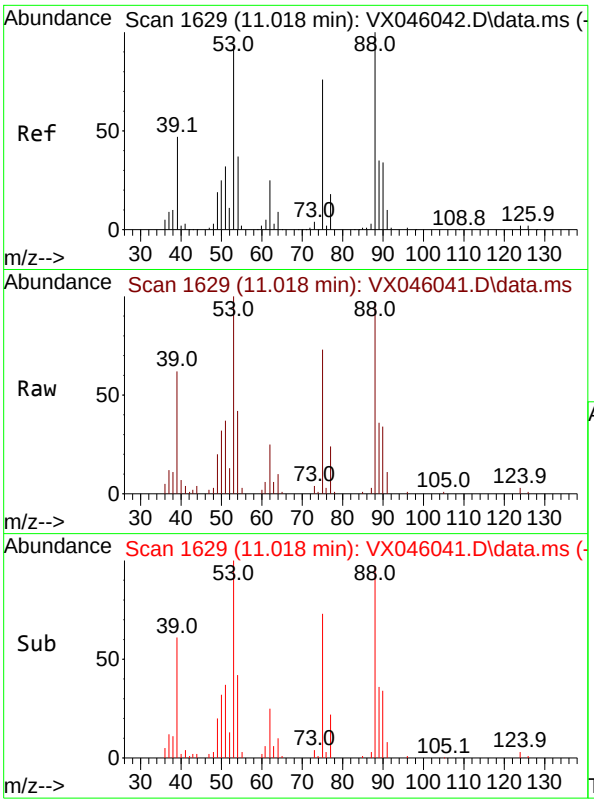


#80
1,3,5-Trimethylbenzene
Concen: 14.468 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79261

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2



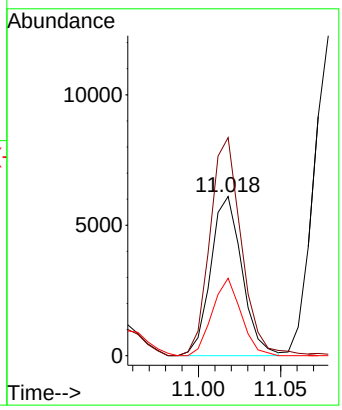


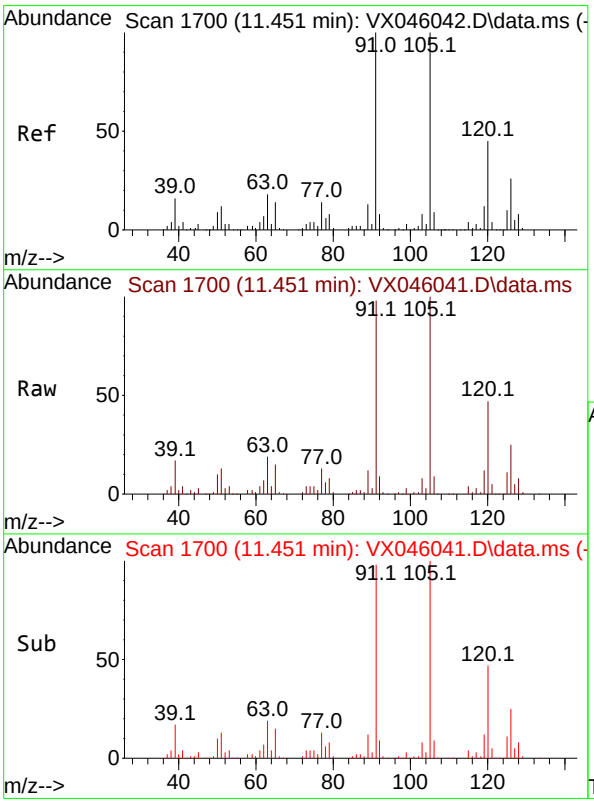
#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

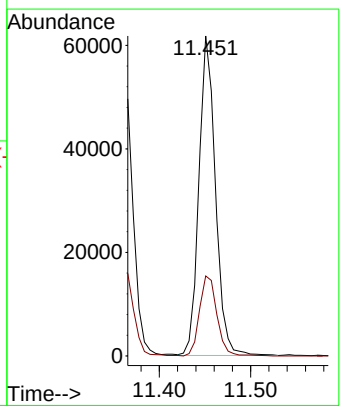


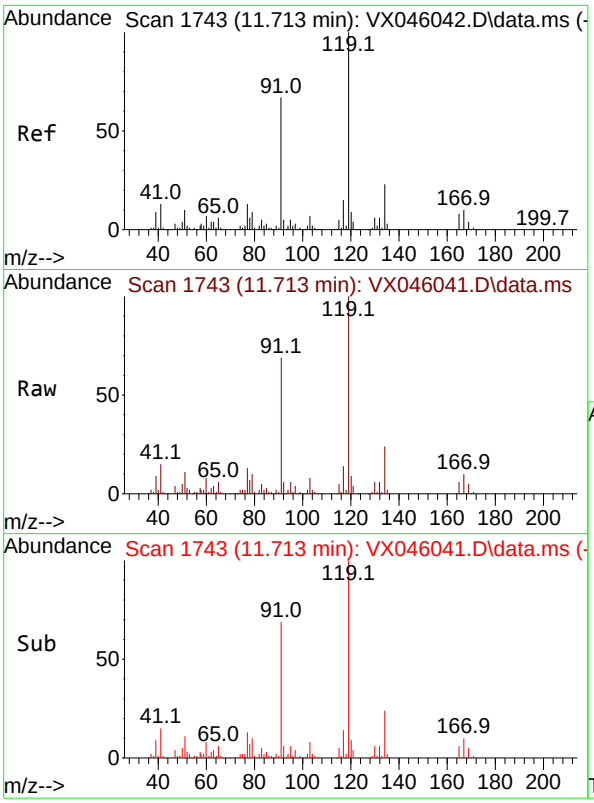


#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 77338

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8



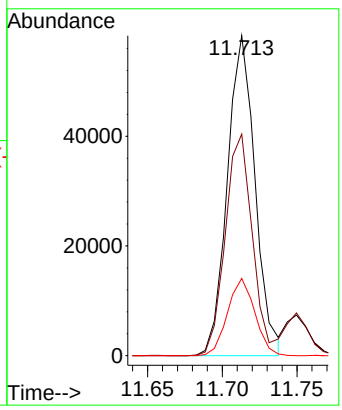


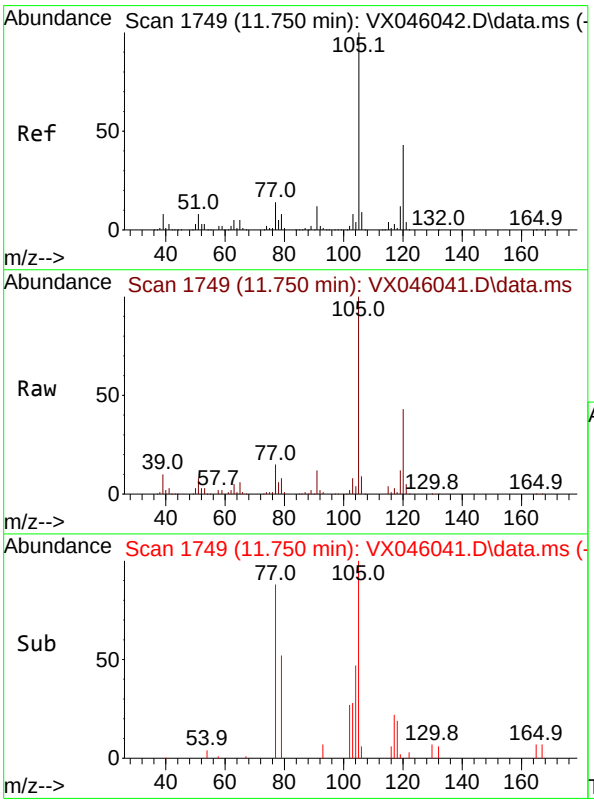
#83
tert-Butylbenzene
Concen: 14.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

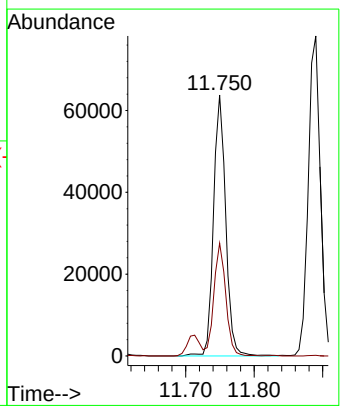


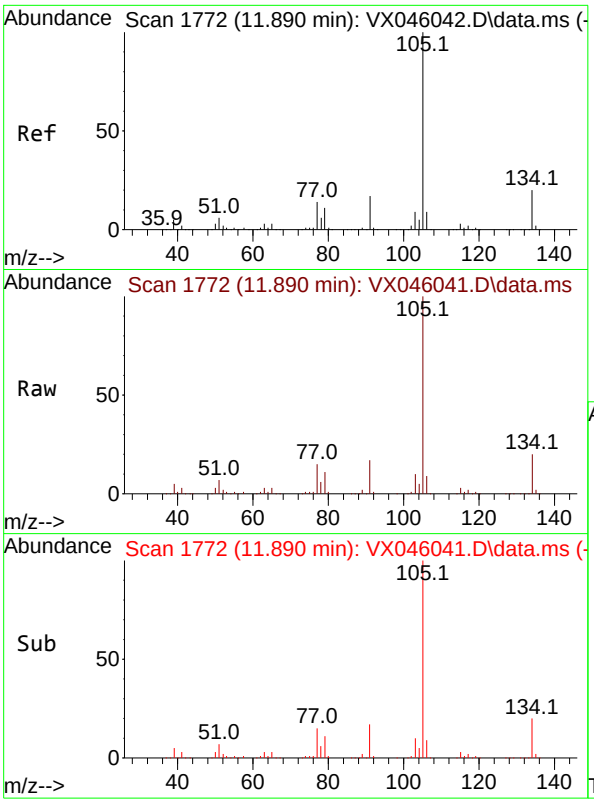


#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79232

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.2	63.6



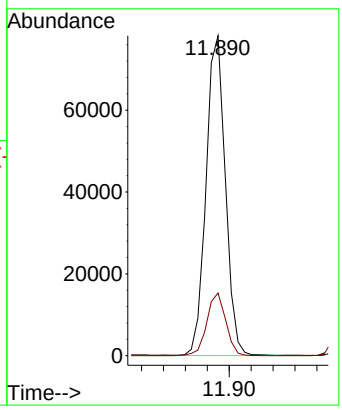


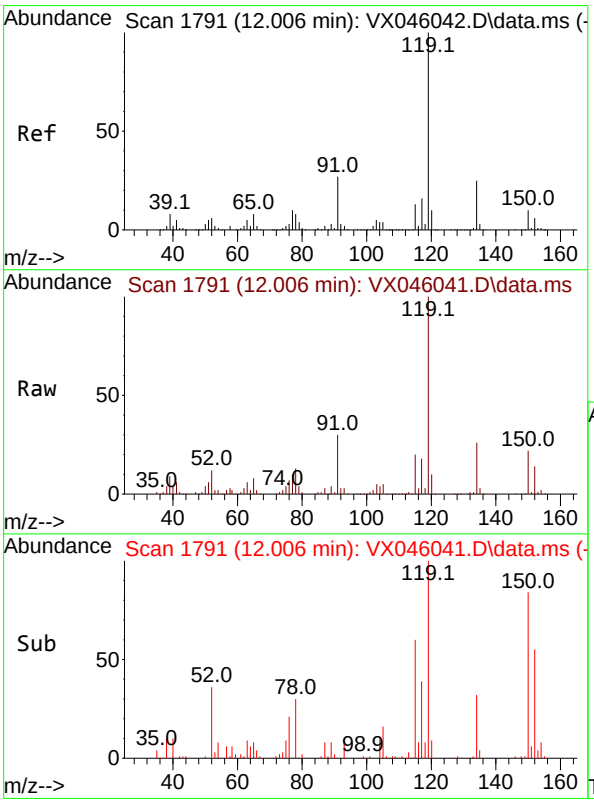
#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 95271

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

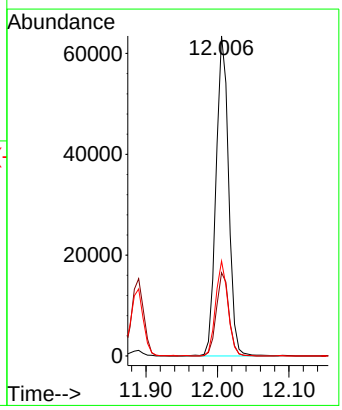


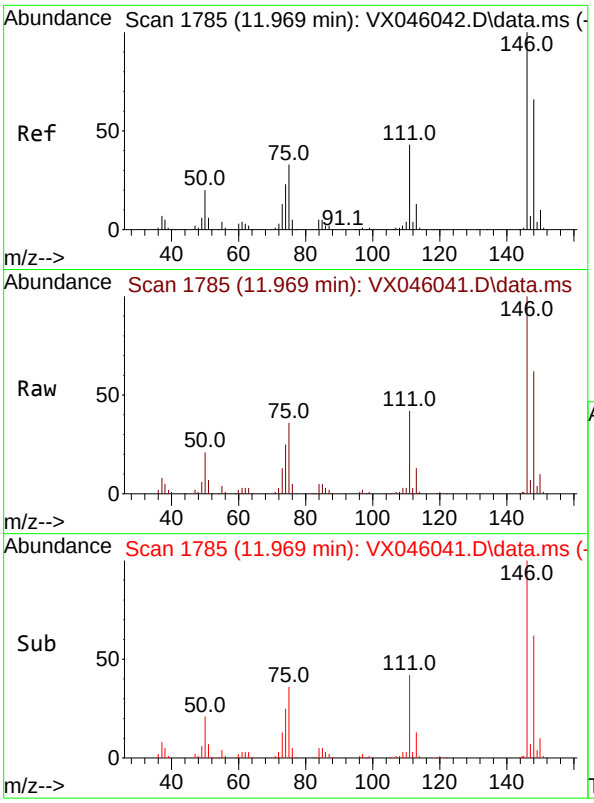


#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



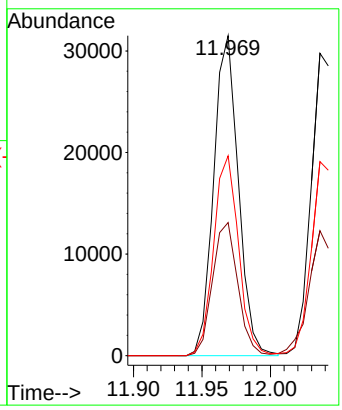


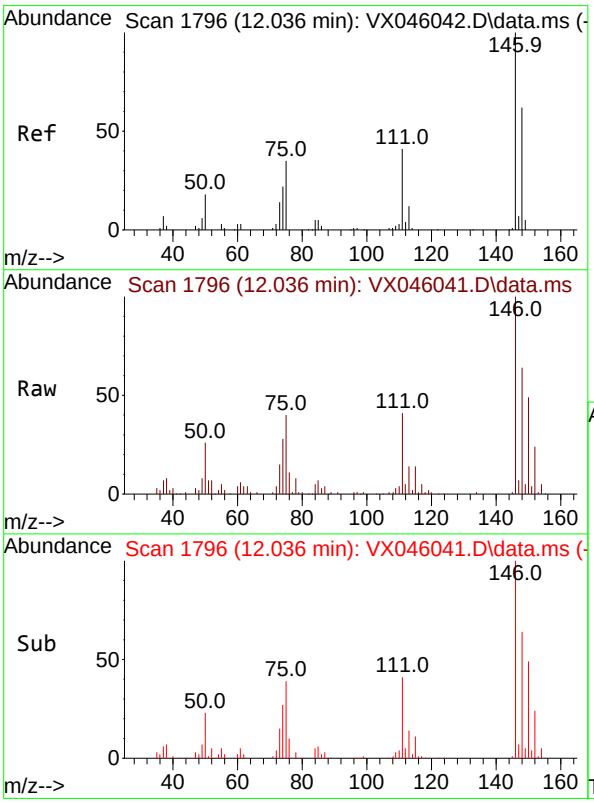
#87
1,3-Dichlorobenzene
Concen: 13.898 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

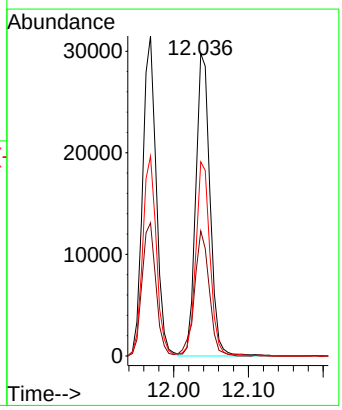


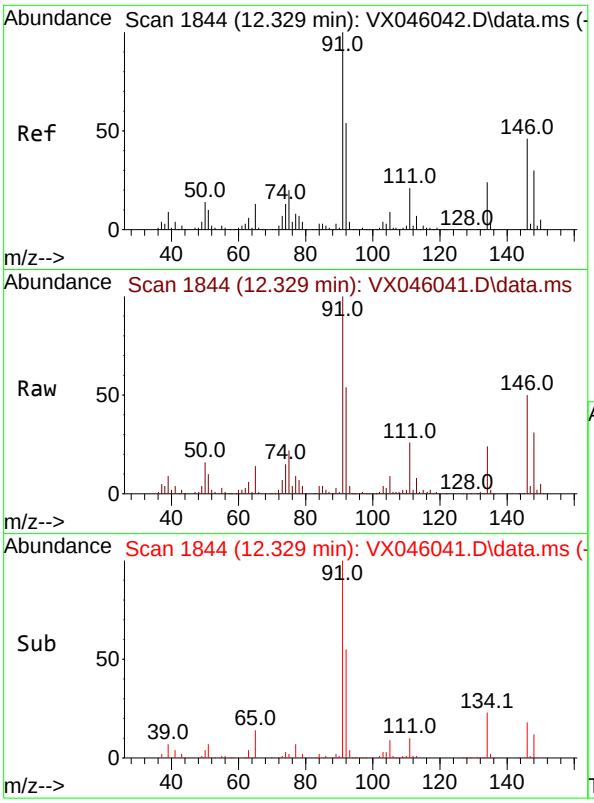


#88
1,4-Dichlorobenzene
Concen: 14.146 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



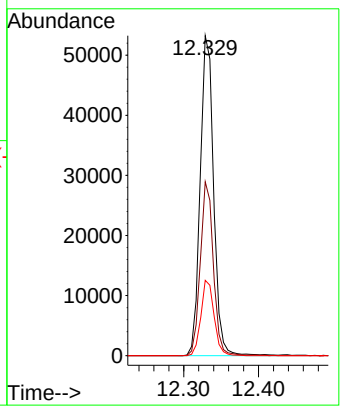


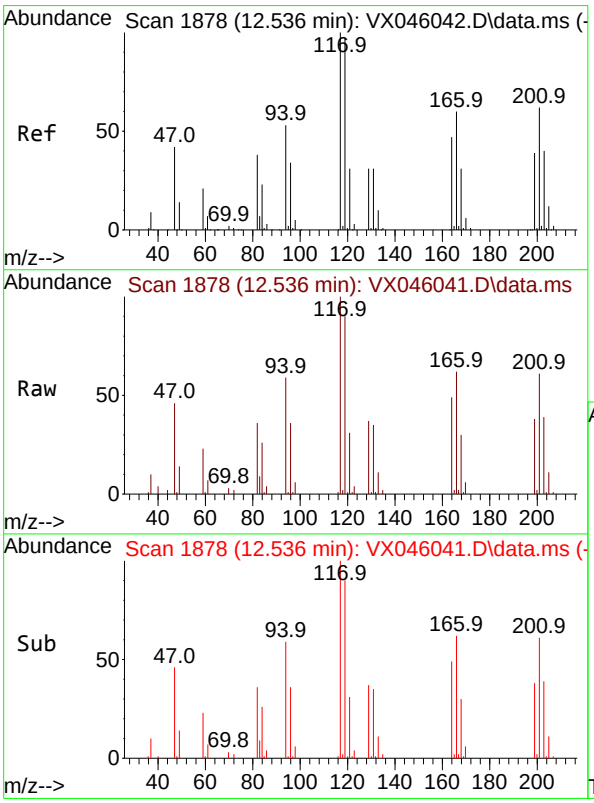
#89
n-Butylbenzene
Concen: 14.184 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

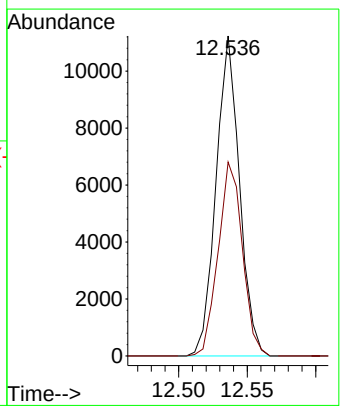


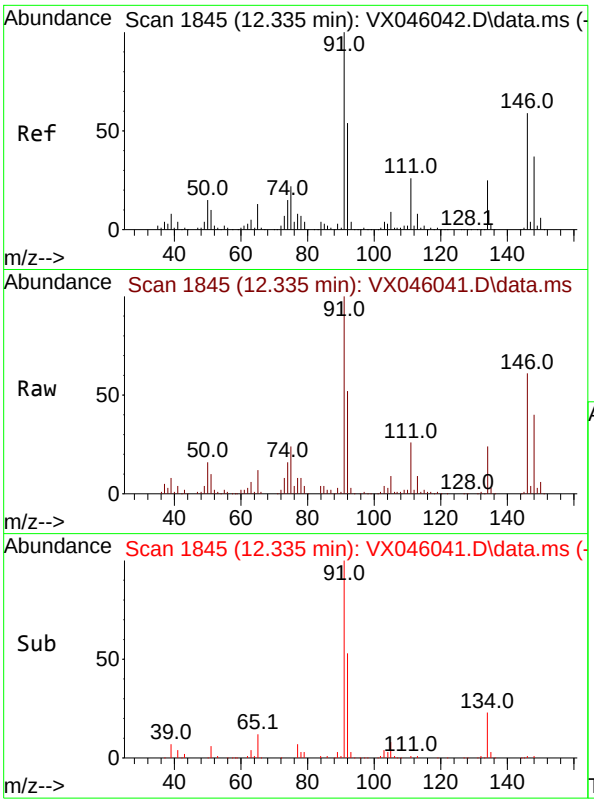


#90
Hexachloroethane
Concen: 13.287 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 13332

Ion	Ratio	Lower	Upper
117	100		
201	62.9	31.6	94.7



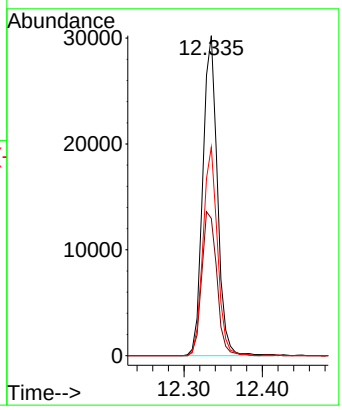


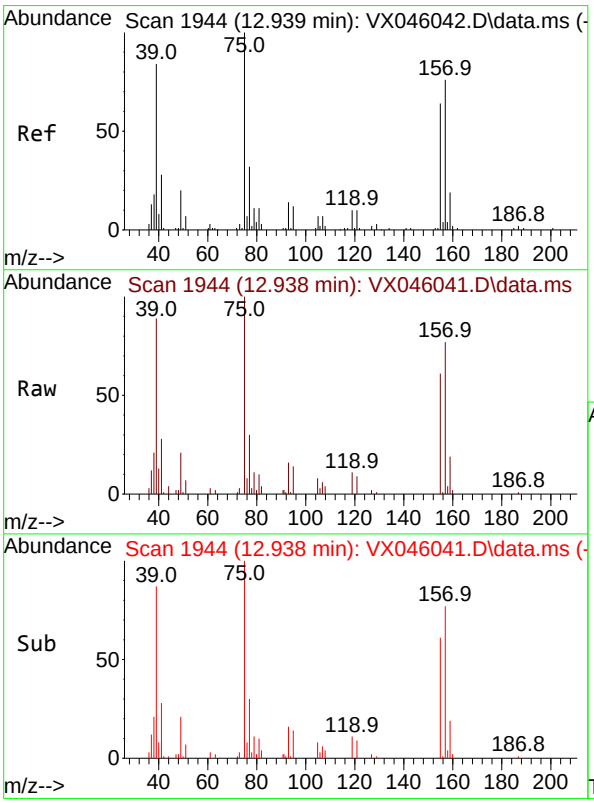
#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

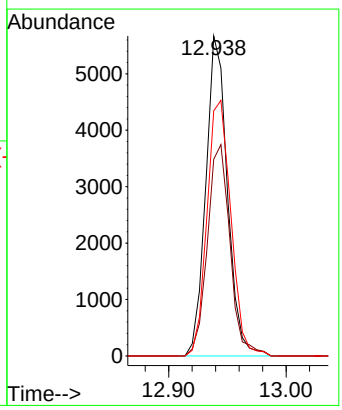


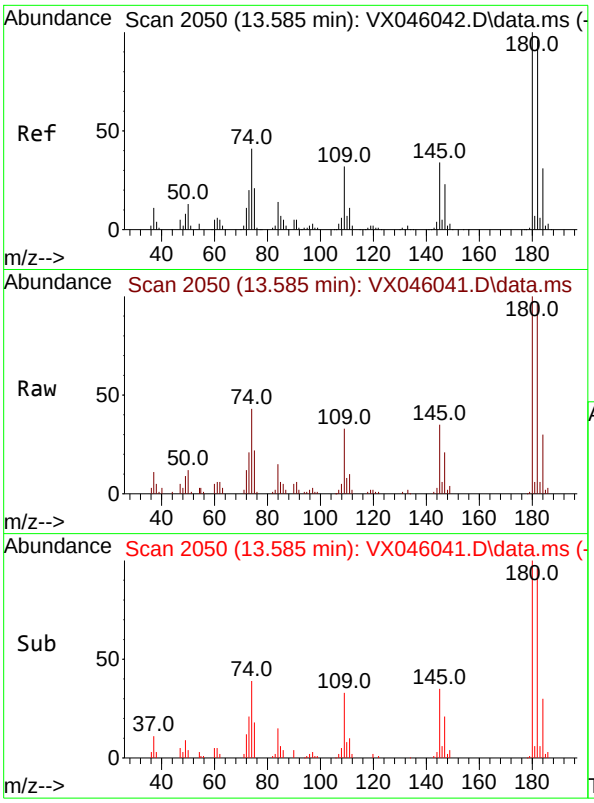


#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



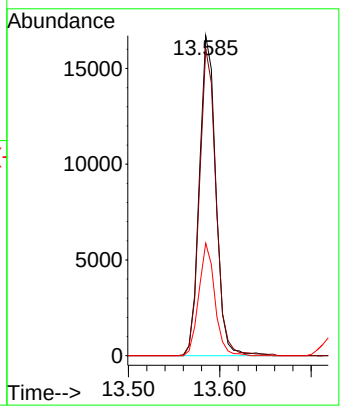


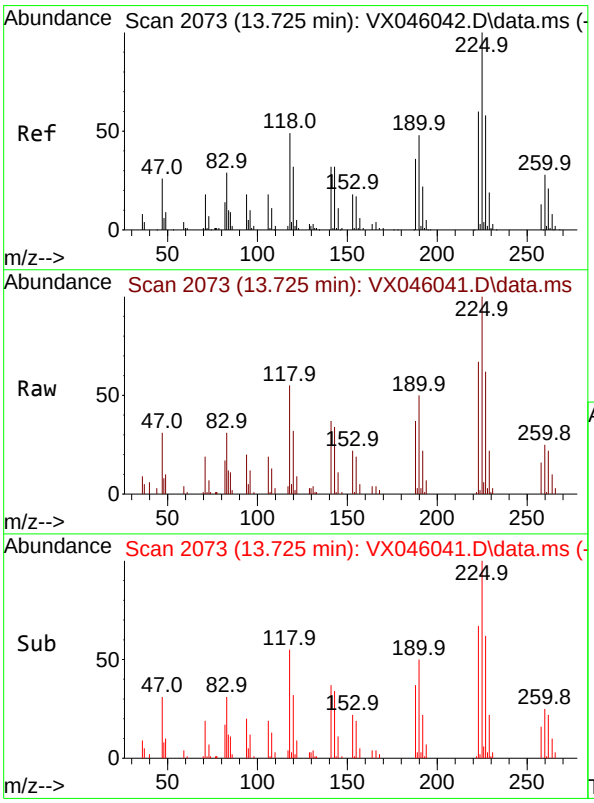
#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

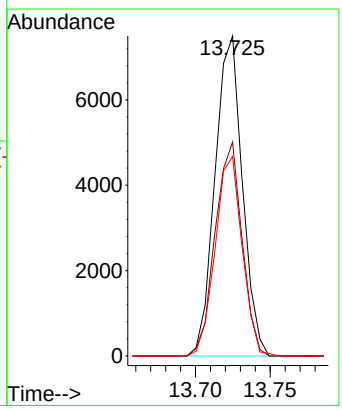


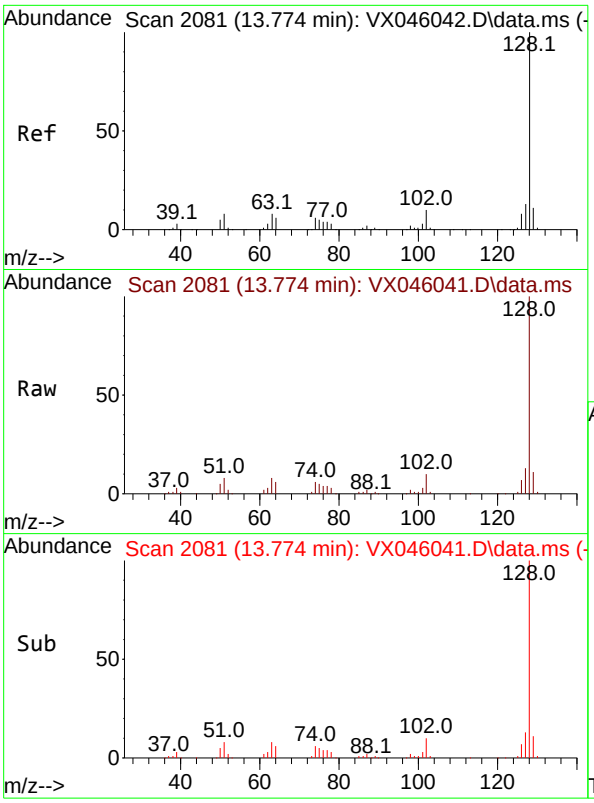


#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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



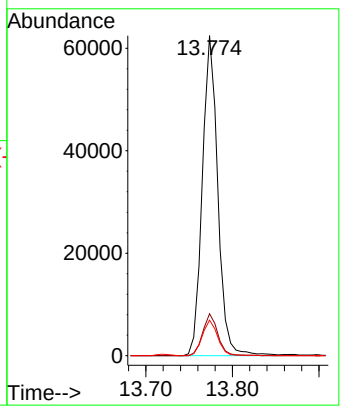


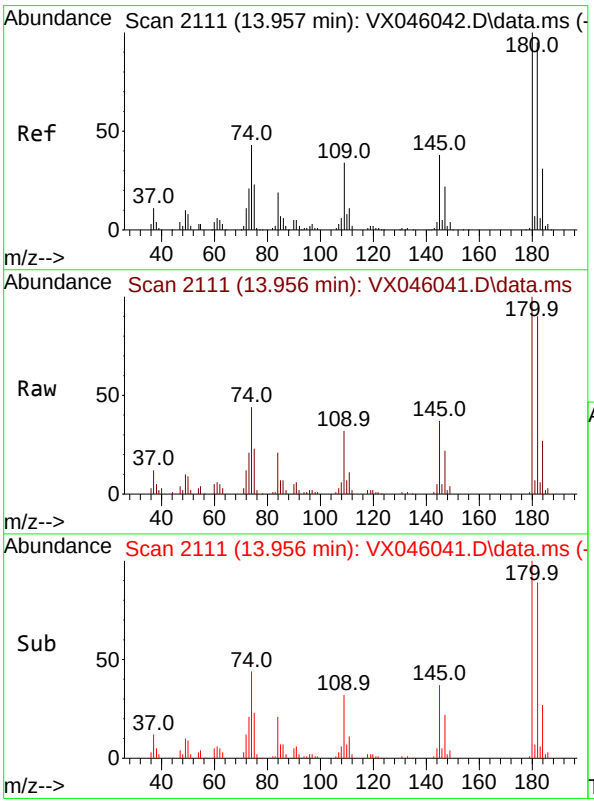
#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

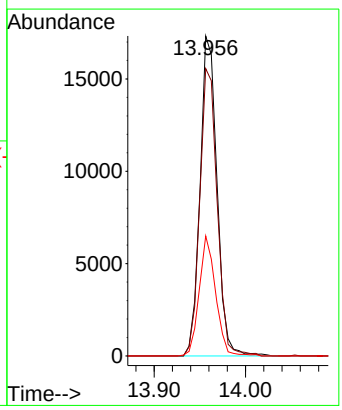




#96
1,2,3-Trichlorobenzene
Concen: 14.023 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

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

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

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)

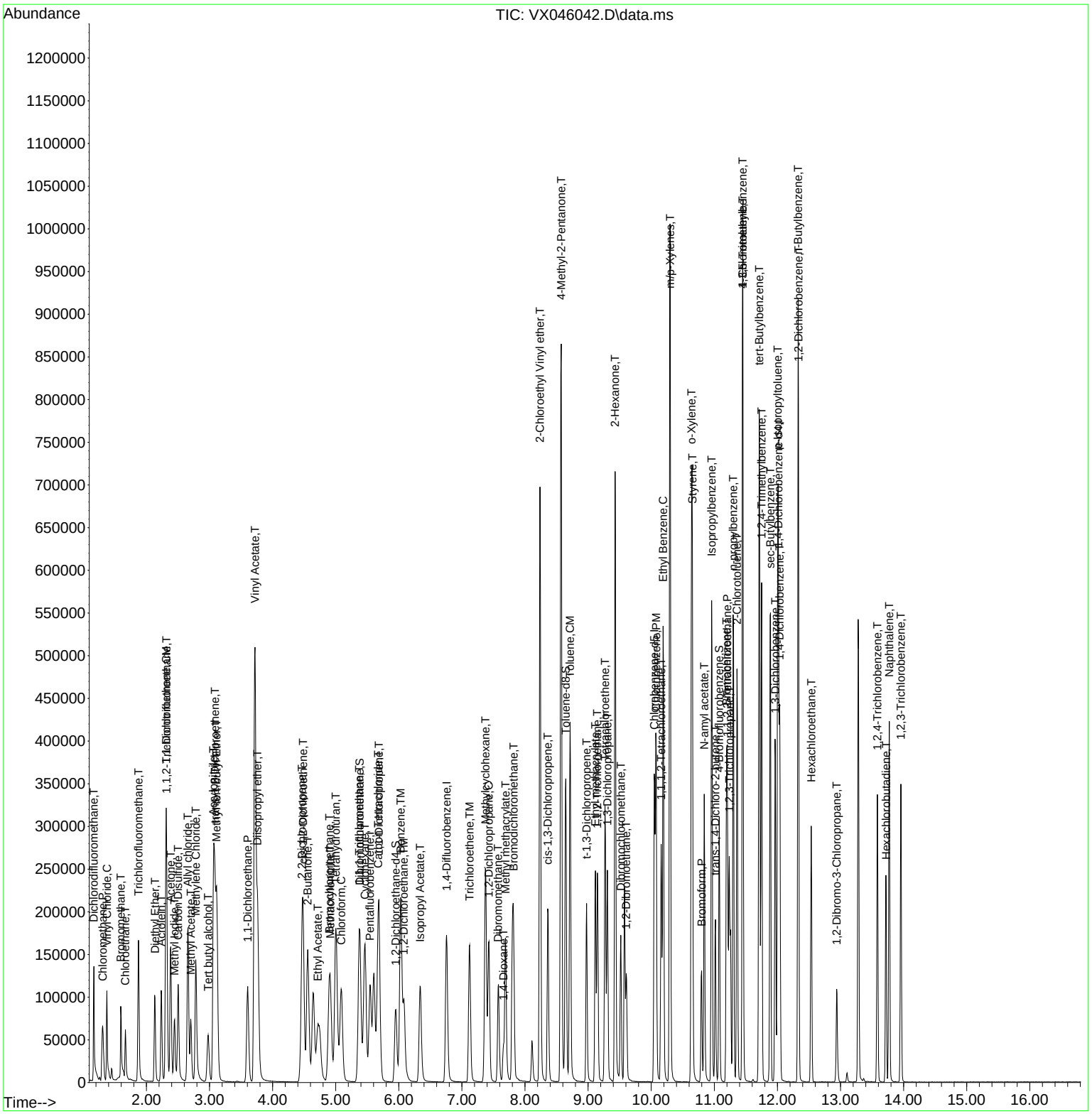
(#) = qualifier out of range (m) = manual integration (+) = signals summed

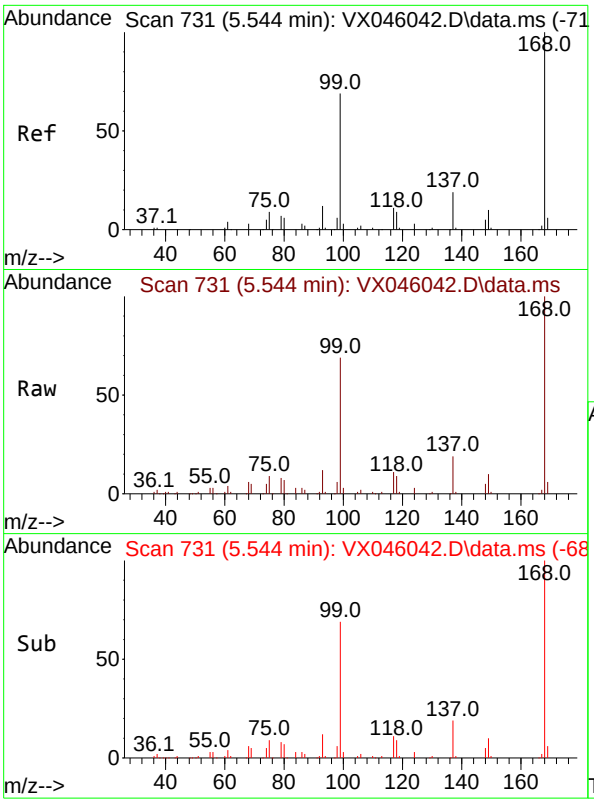
Quantitation Report (Not Reviewed)

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



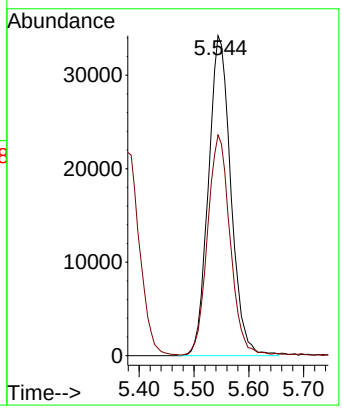


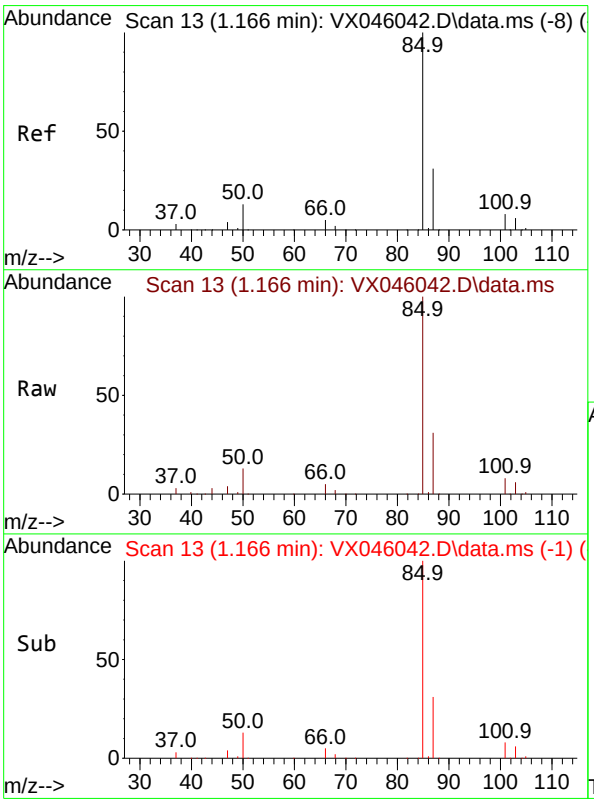
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 97076

Ion	Ratio	Lower	Upper
168	100		
99	68.6	54.9	82.3

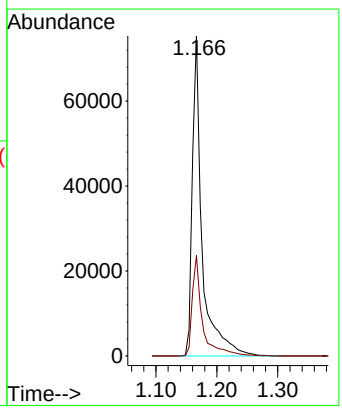


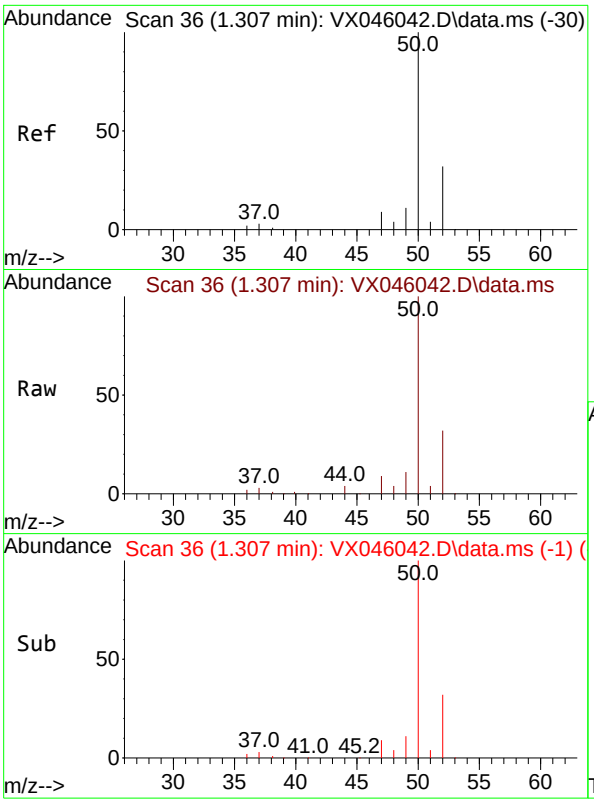


#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 85 Resp: 83826

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1



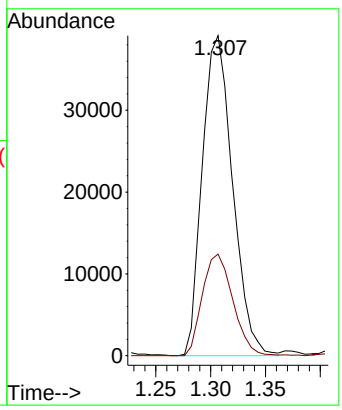


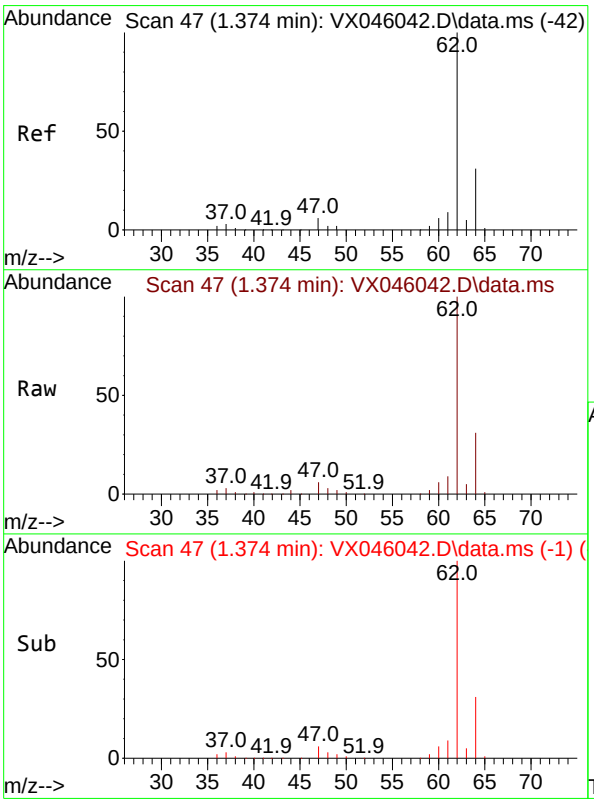
#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 75238

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

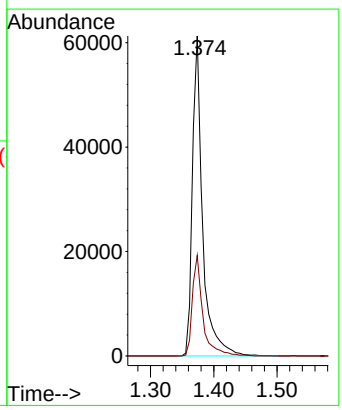


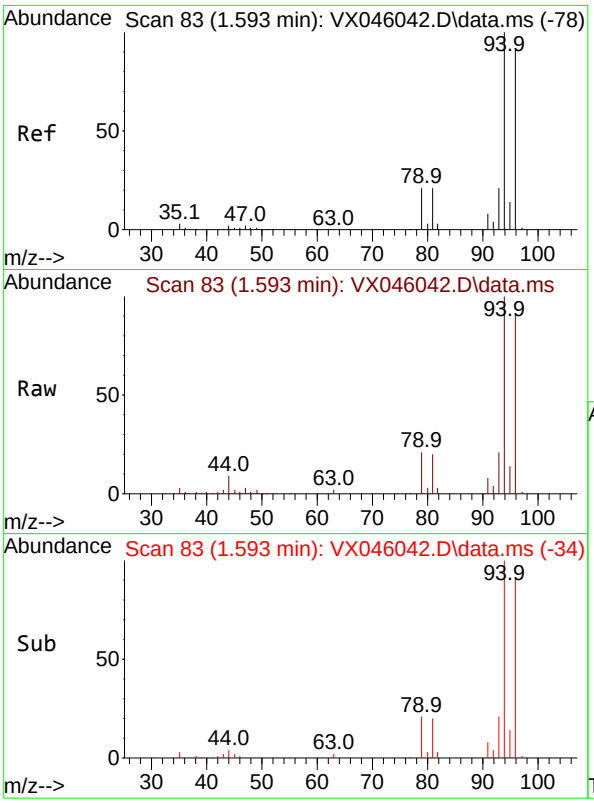


#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 68901

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8



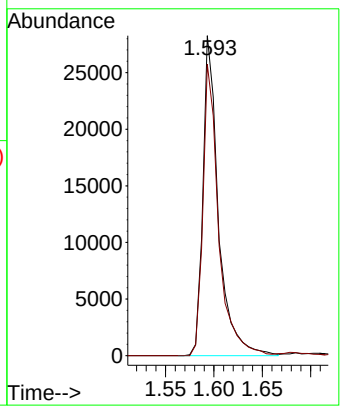


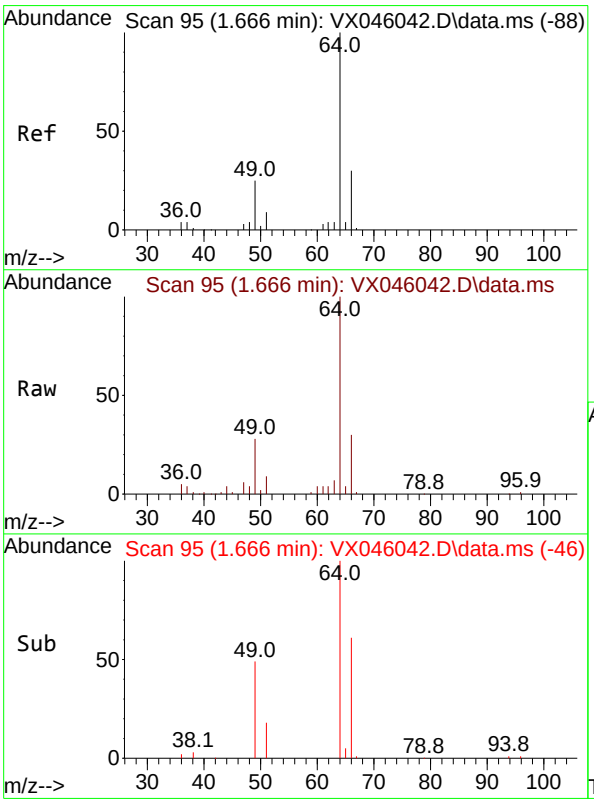
#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 31648

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2

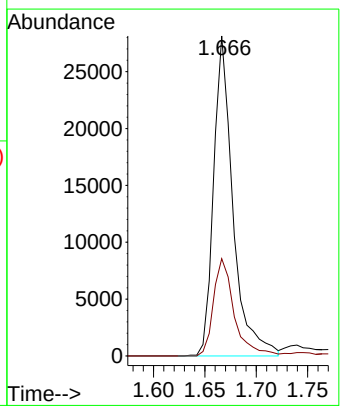


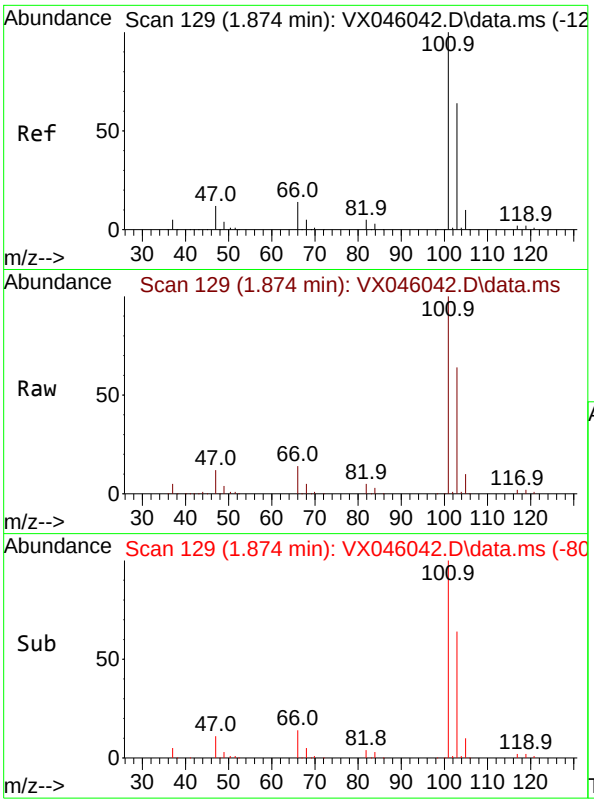


#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 64 Resp: 36722

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5



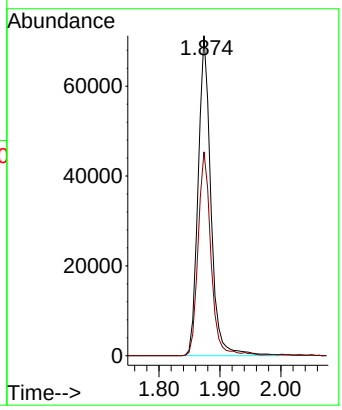


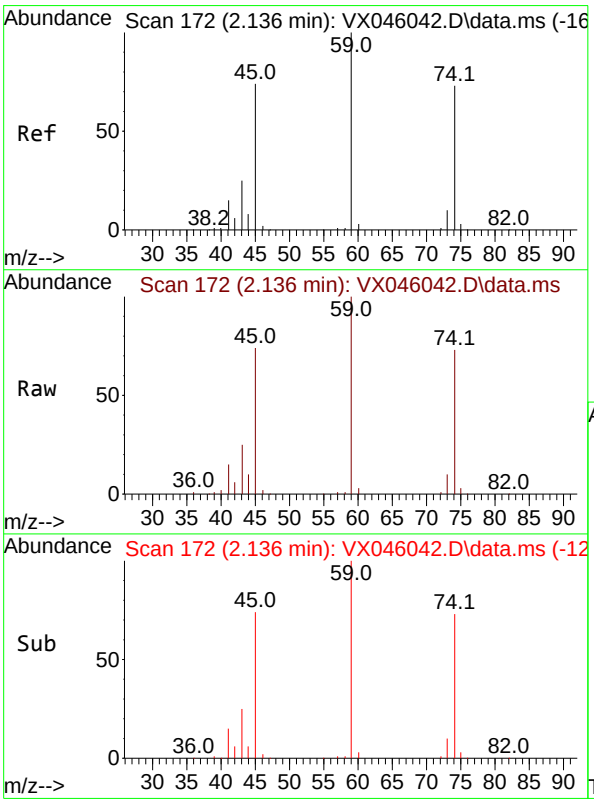
#7
Trichlorofluoromethane
Concen: 36.824 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 103693

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.4

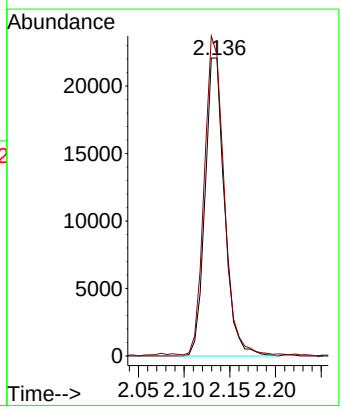


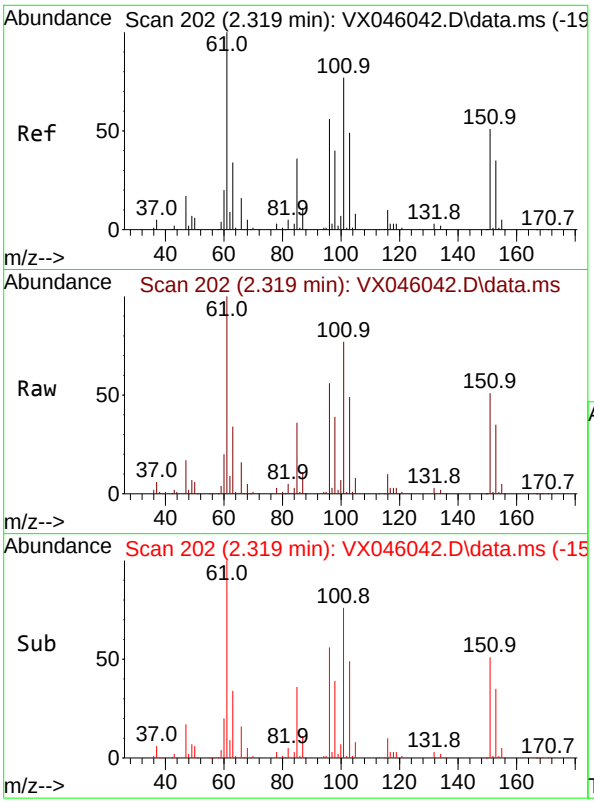


#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 74 Resp: 32724

Ion	Ratio	Lower	Upper
74	100		
45	109.9	54.9	164.8



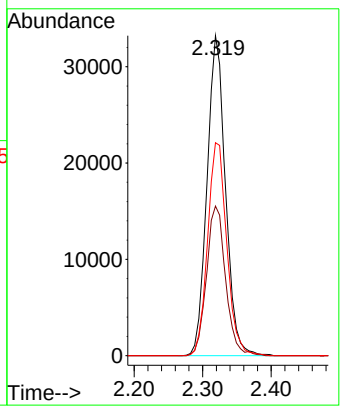


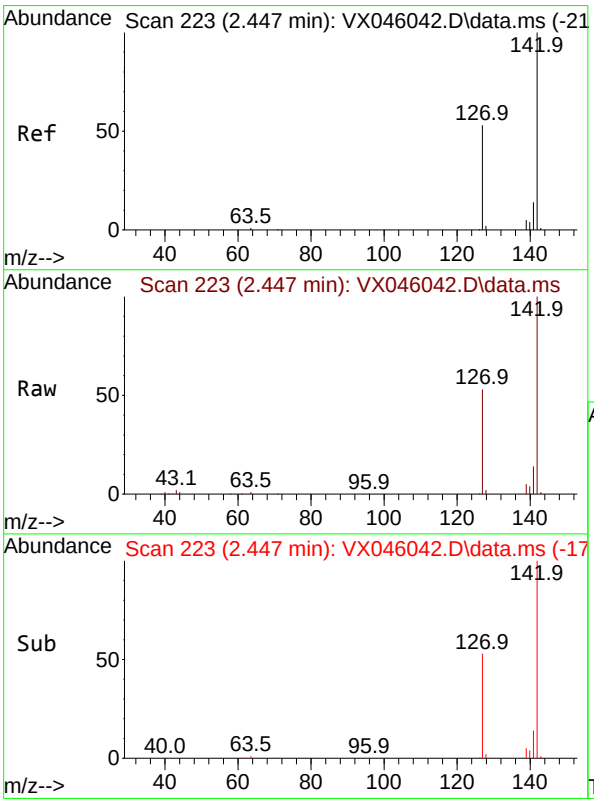
#9
1,1,2-Trichlorotrifluoroethane
Concen: 36.997 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

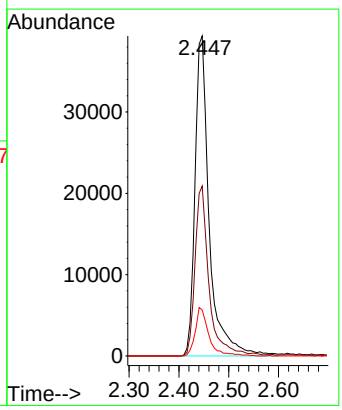


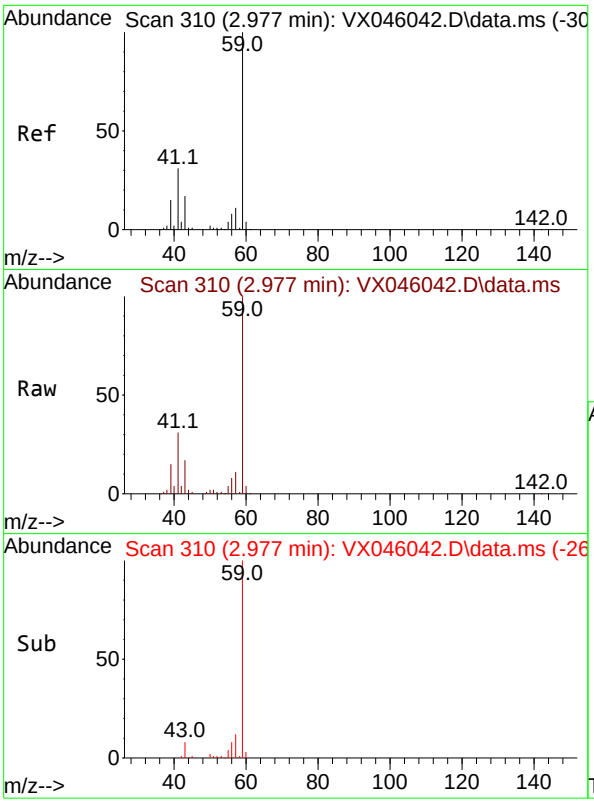


#10
Methyl Iodide
Concen: 39.622 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



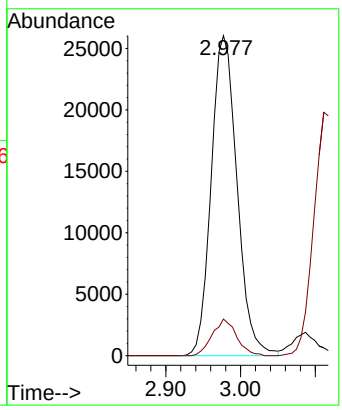


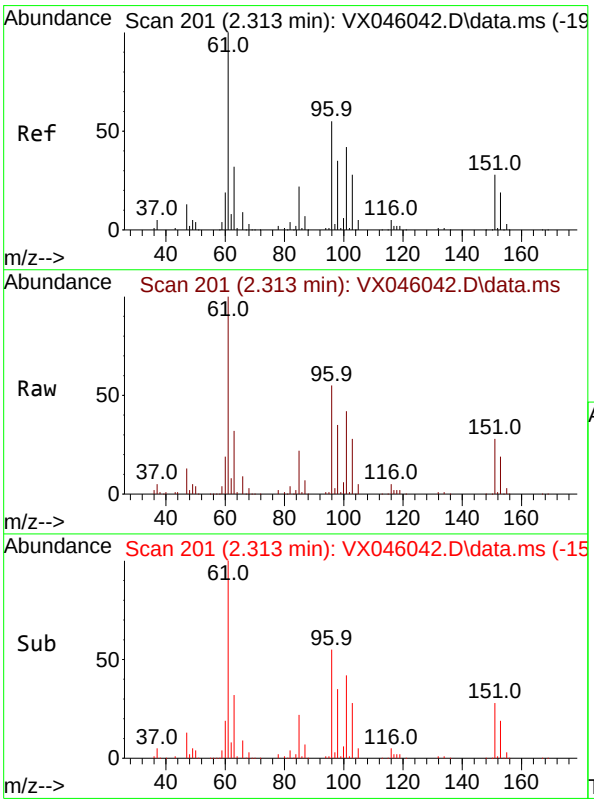
#11
Tert butyl alcohol
Concen: 181.745 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 62557

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

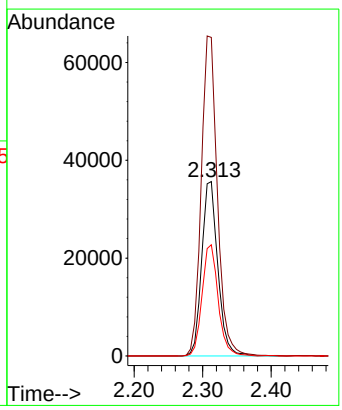


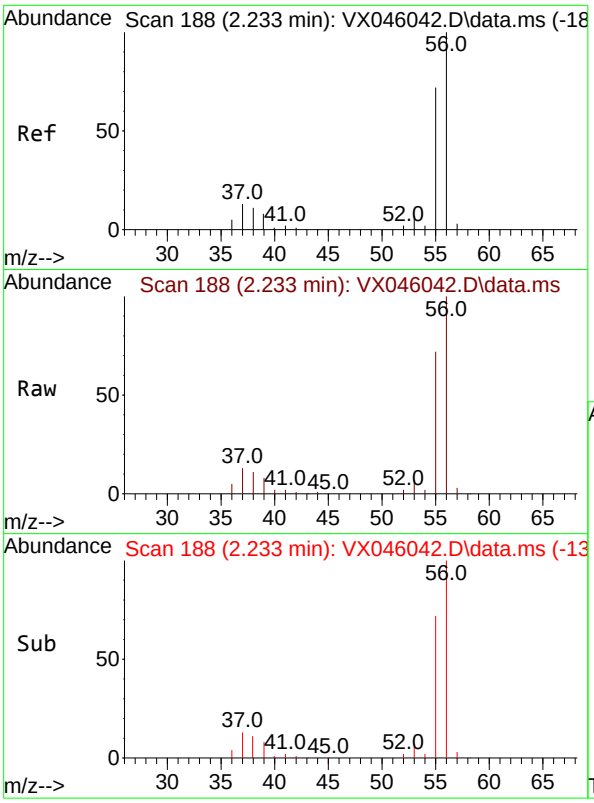


#12
1,1-Dichloroethene
Concen: 35.610 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



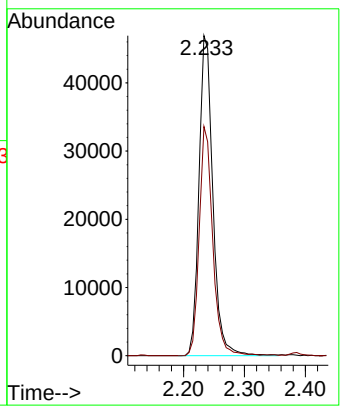


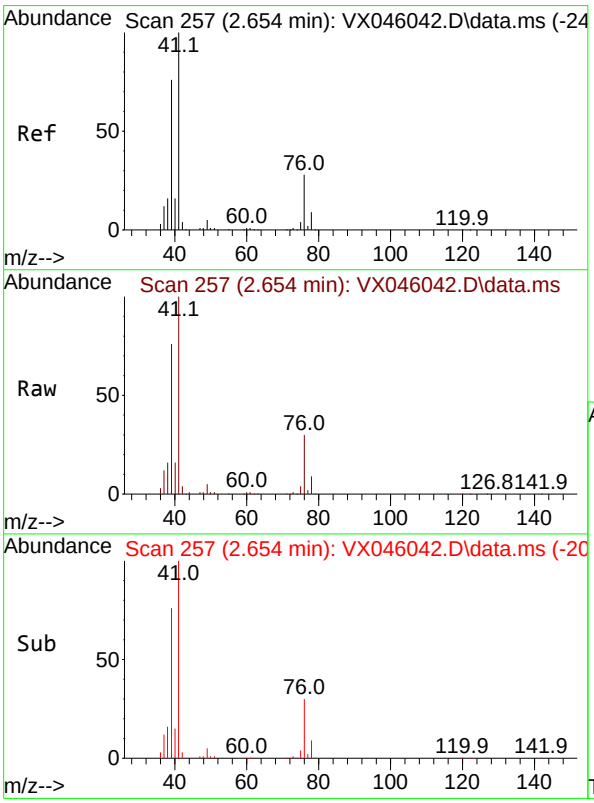
#13
Acrolein
Concen: 184.907 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 73927

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

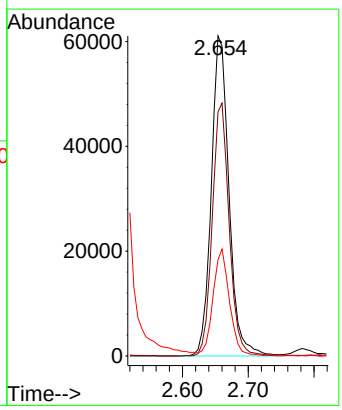


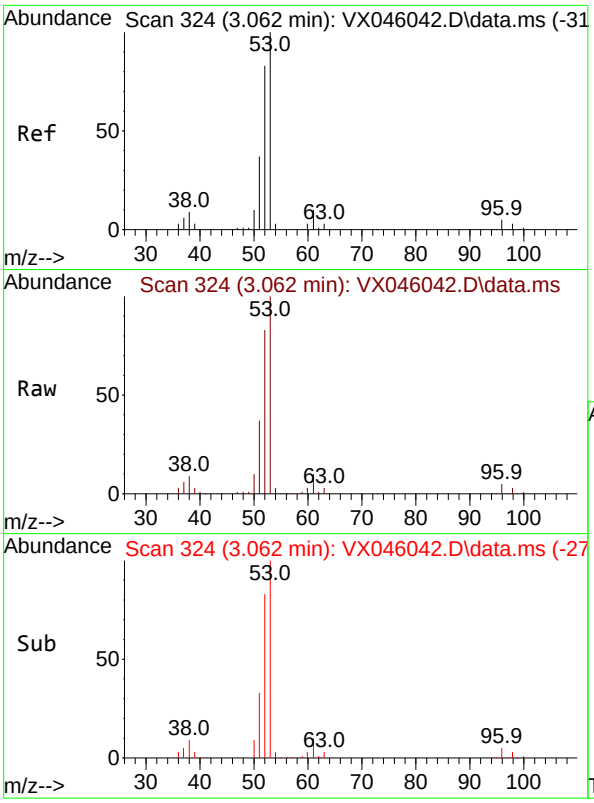


#14
Allyl chloride
Concen: 36.971 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



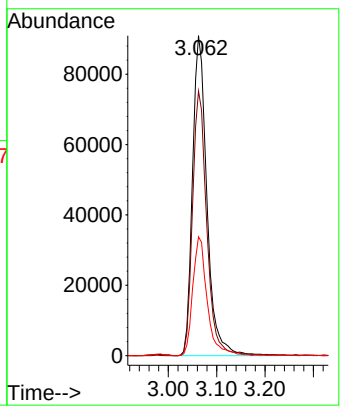


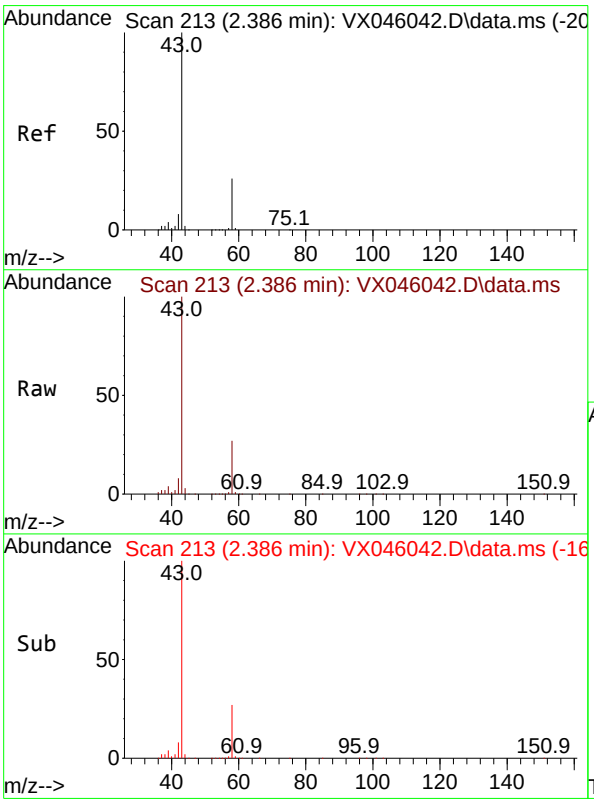
#15
Acrylonitrile
Concen: 182.874 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

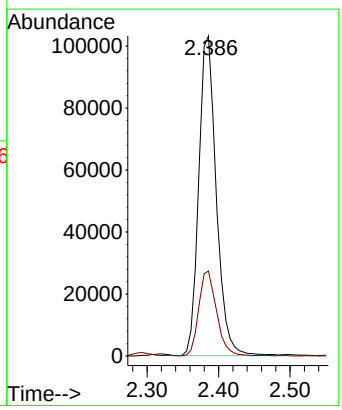


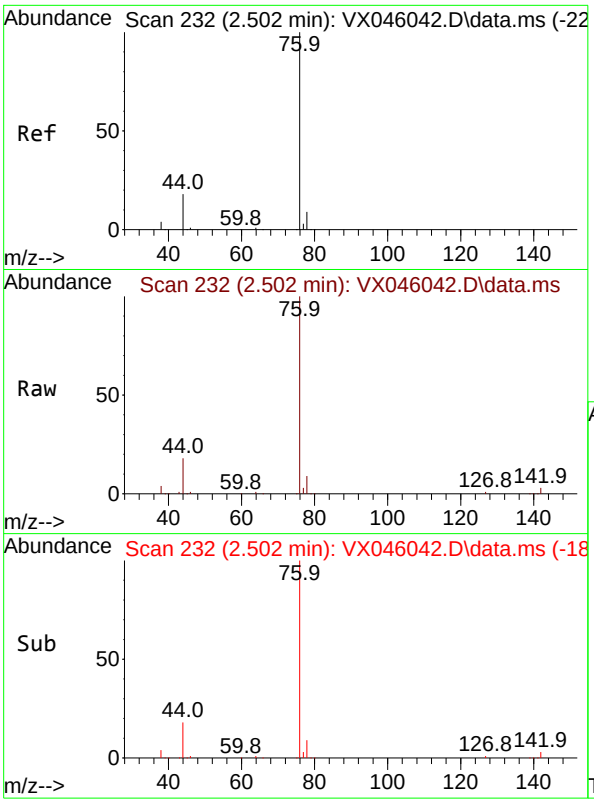


#16
Acetone
Concen: 177.910 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 175777

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8



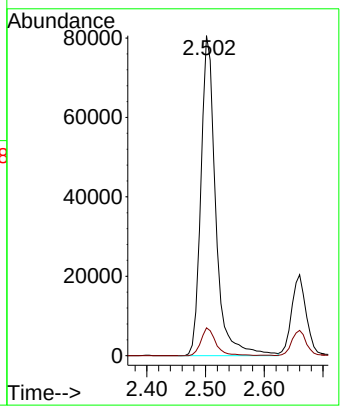


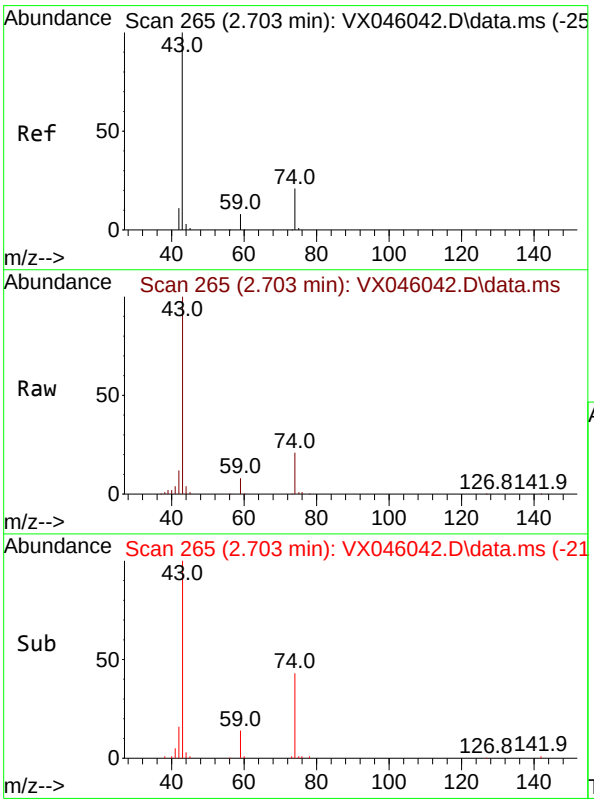
#17
Carbon Disulfide
Concen: 37.223 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 141281

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

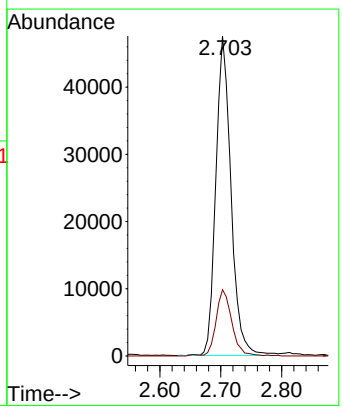


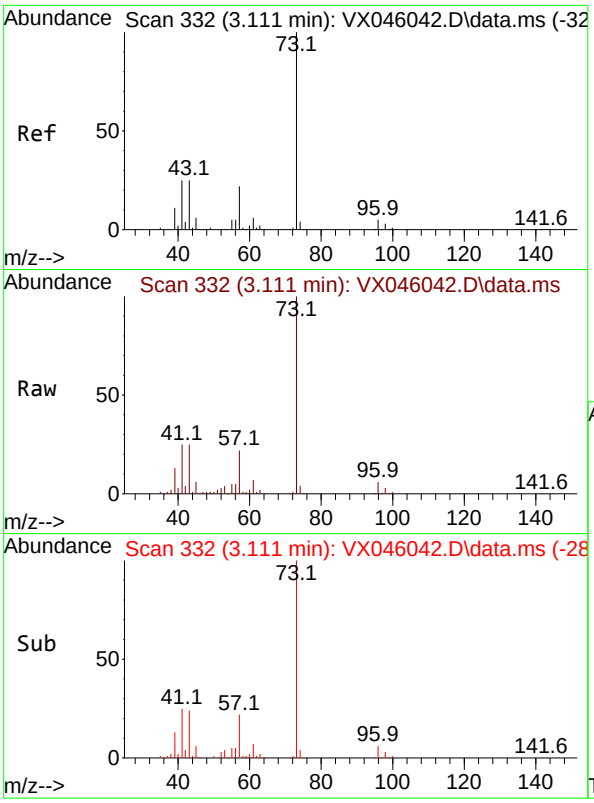


#18
Methyl Acetate
Concen: 34.915 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 82347

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1



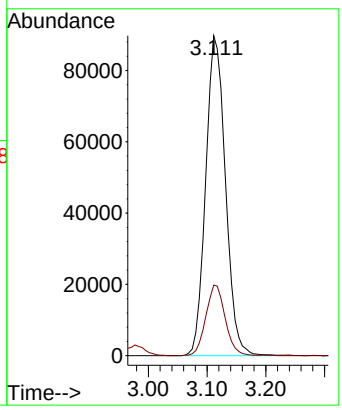


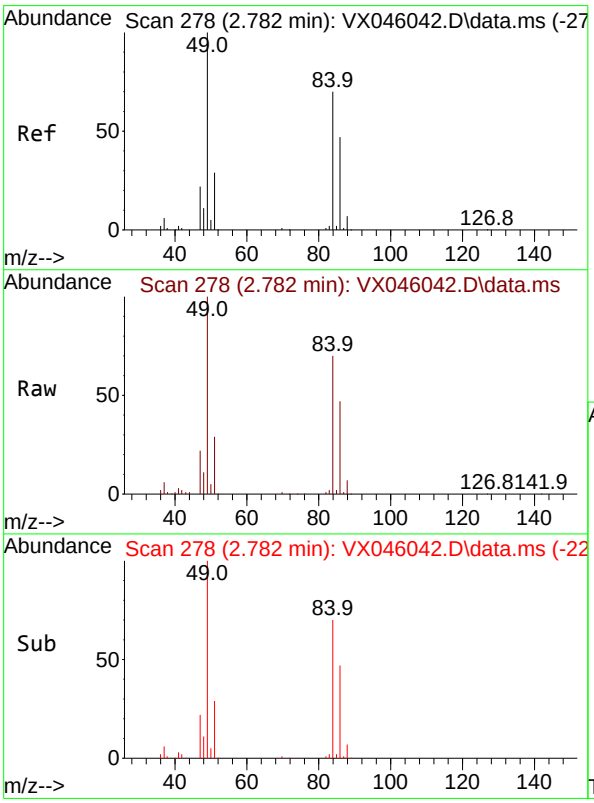
#19
Methyl tert-butyl Ether
Concen: 36.695 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 209665

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

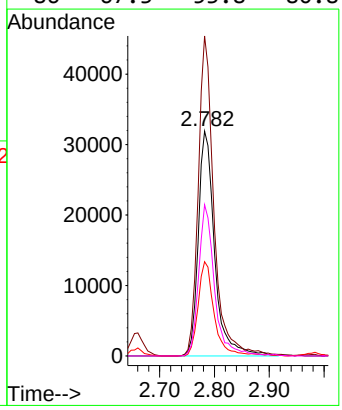


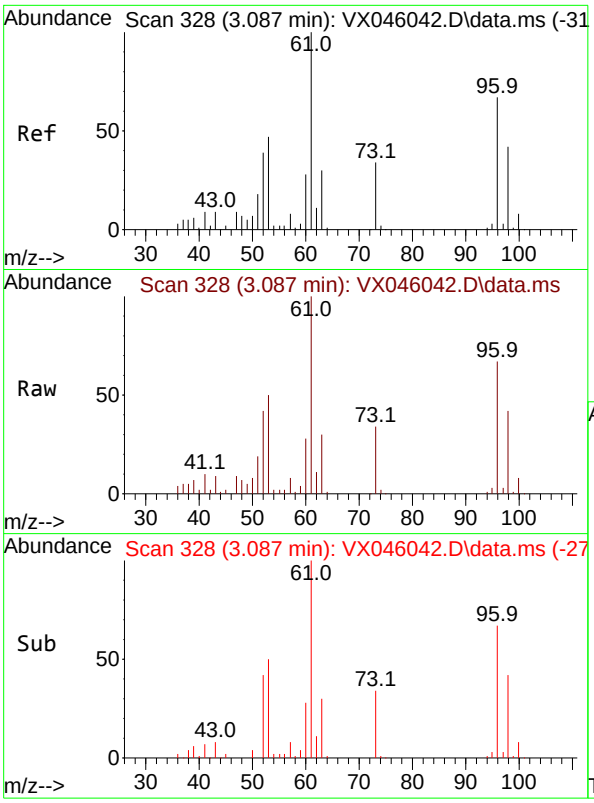


#20
Methylene Chloride
Concen: 33.182 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



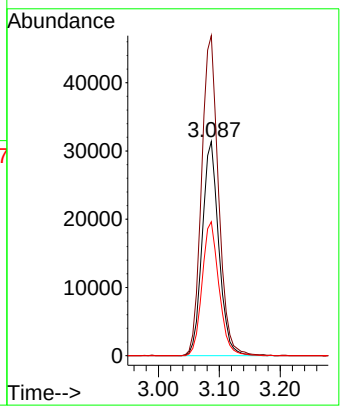


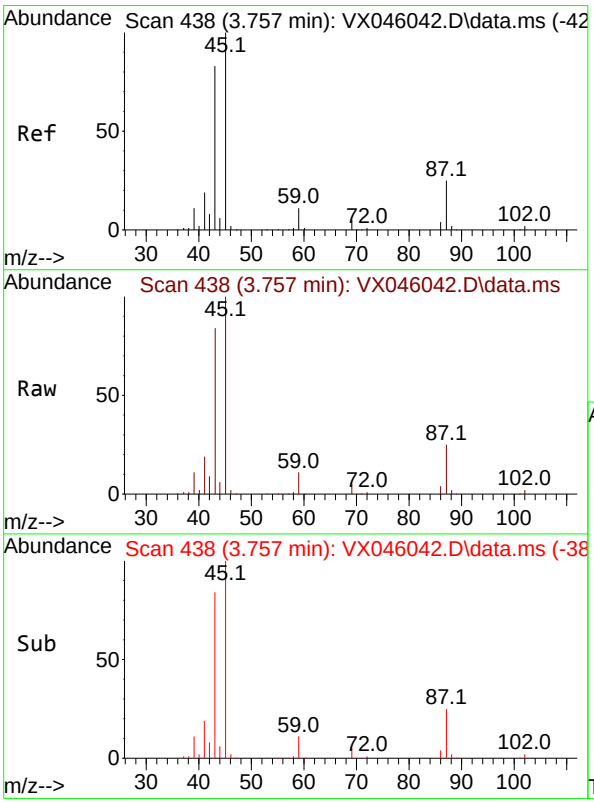
#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

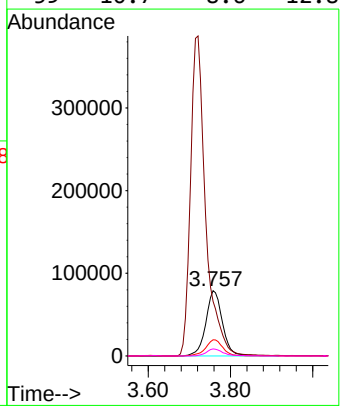


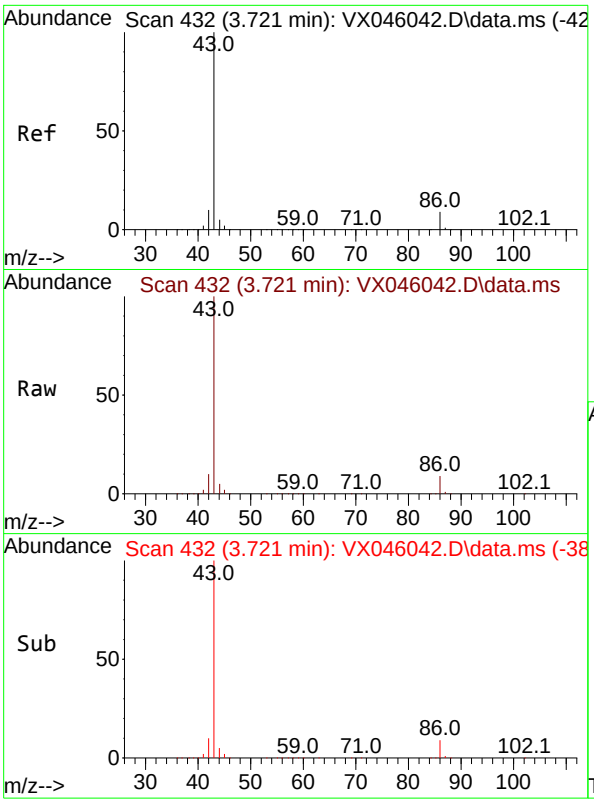


#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



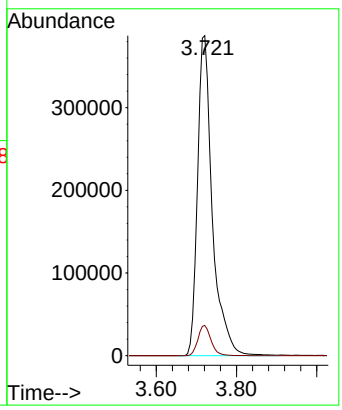


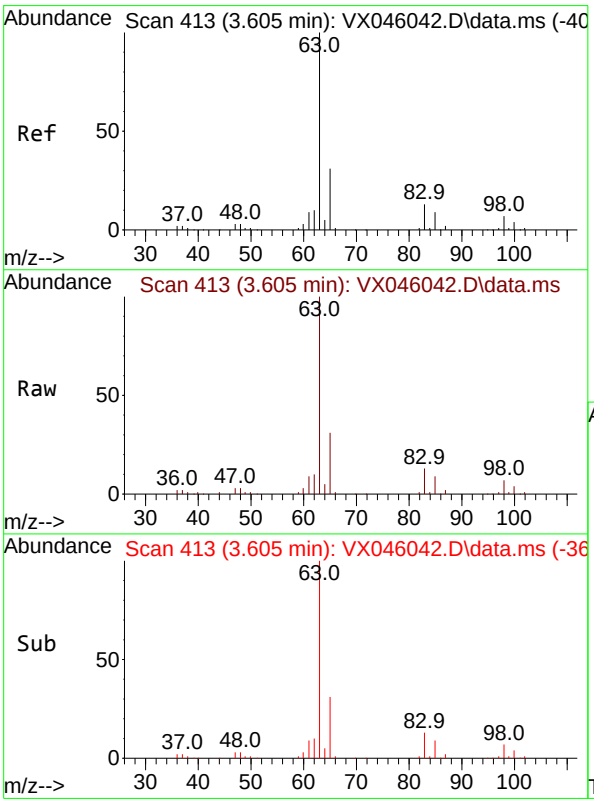
#23
Vinyl Acetate
Concen: 194.528 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 994236

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

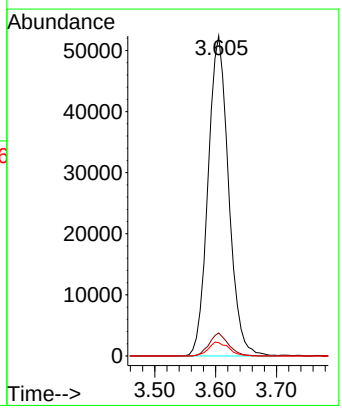


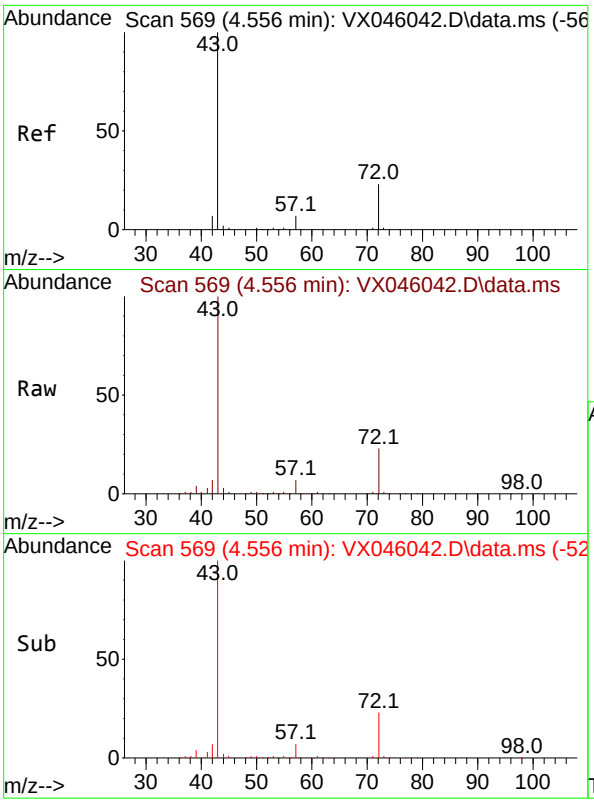


#24
1,1-Dichloroethane
Concen: 36.067 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



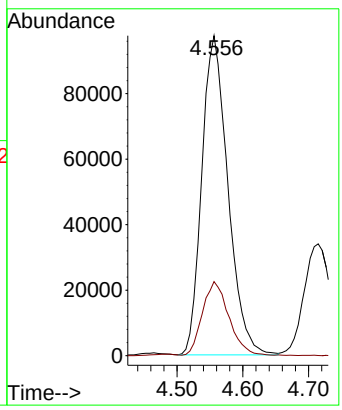


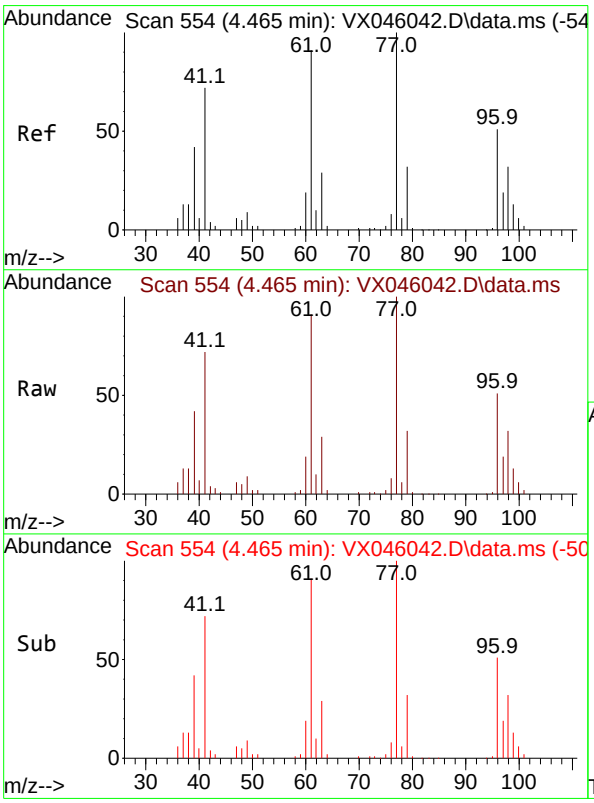
#25
2-Butanone
Concen: 188.783 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 269224

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6

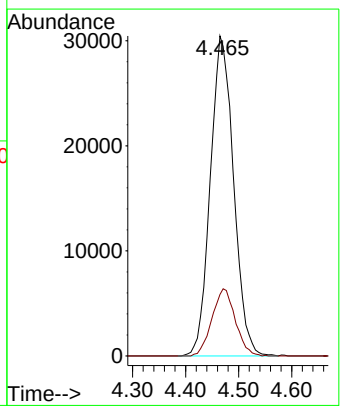


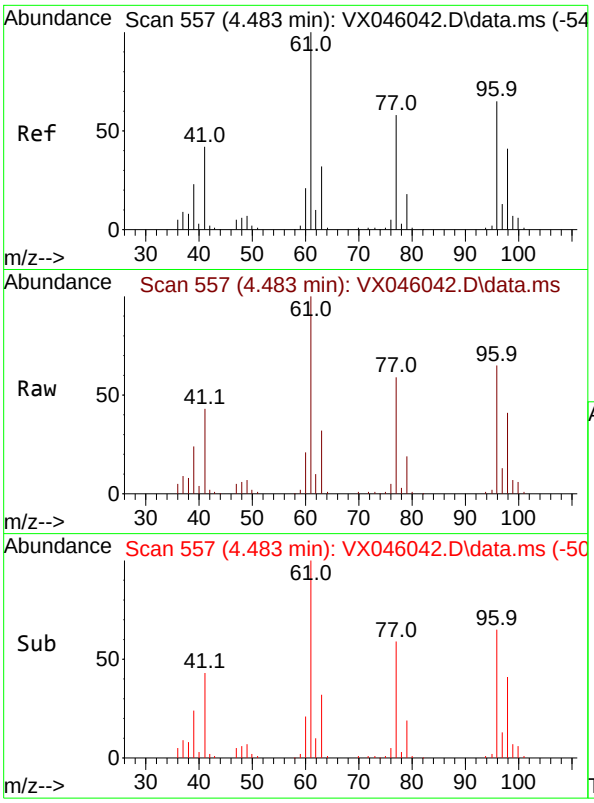


#26
2,2-Dichloropropane
Concen: 36.059 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 77 Resp: 92857

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5



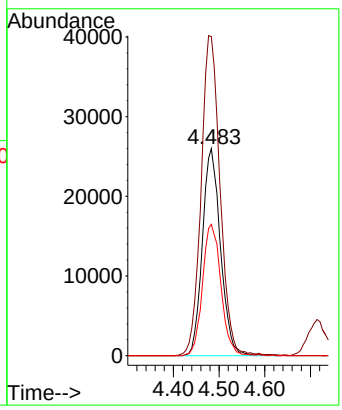


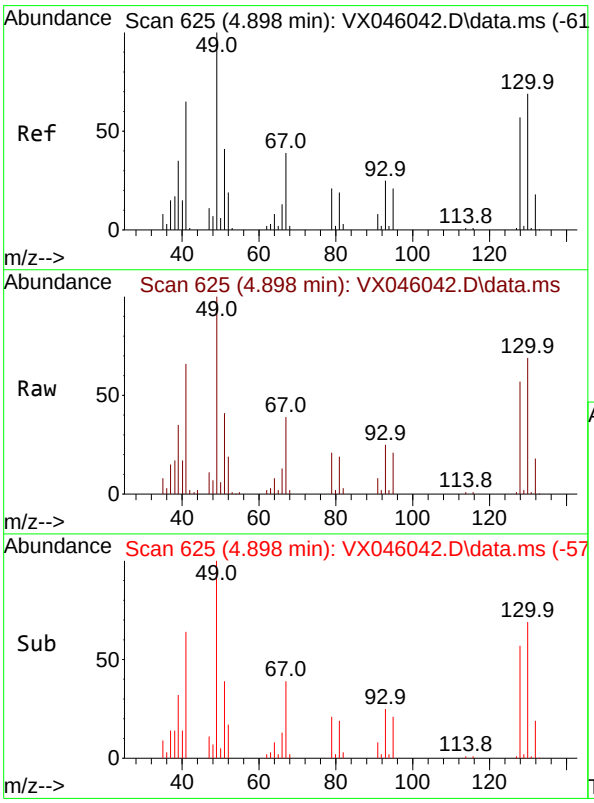
#27
cis-1,2-Dichloroethene
Concen: 35.466 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

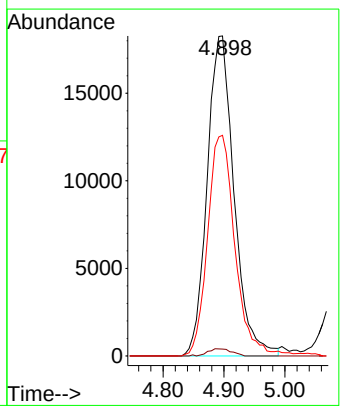


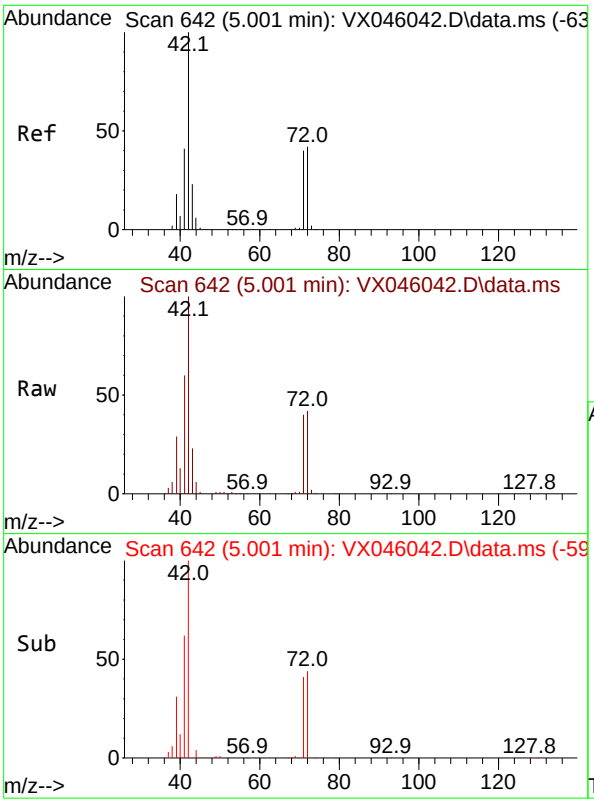


#28
Bromochloromethane
Concen: 31.031 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



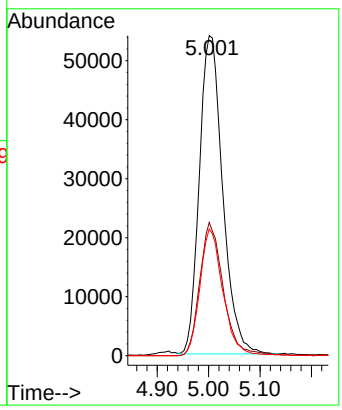


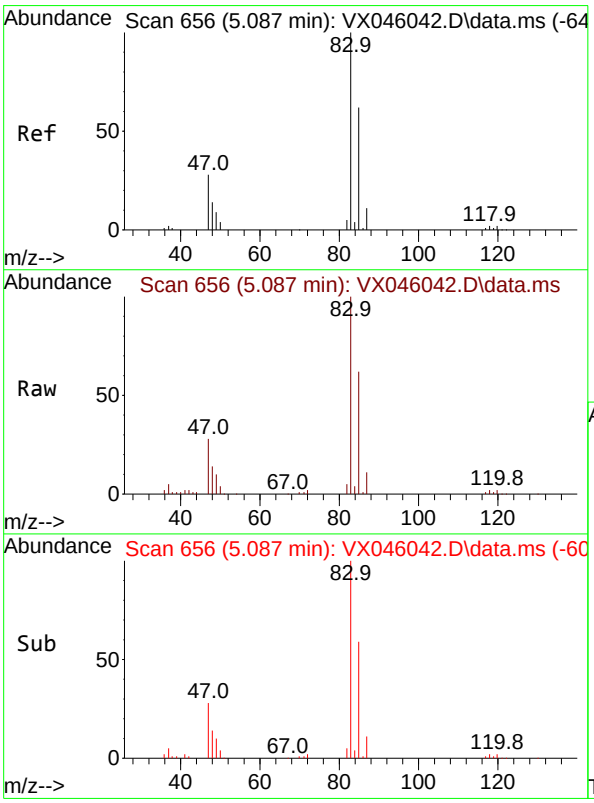
#29
Tetrahydrofuran
Concen: 183.679 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

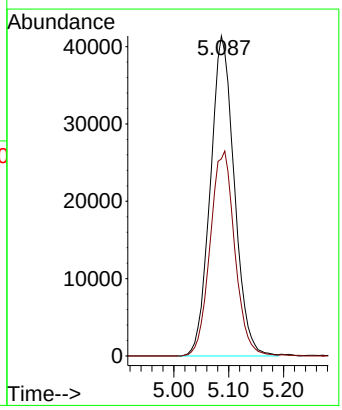


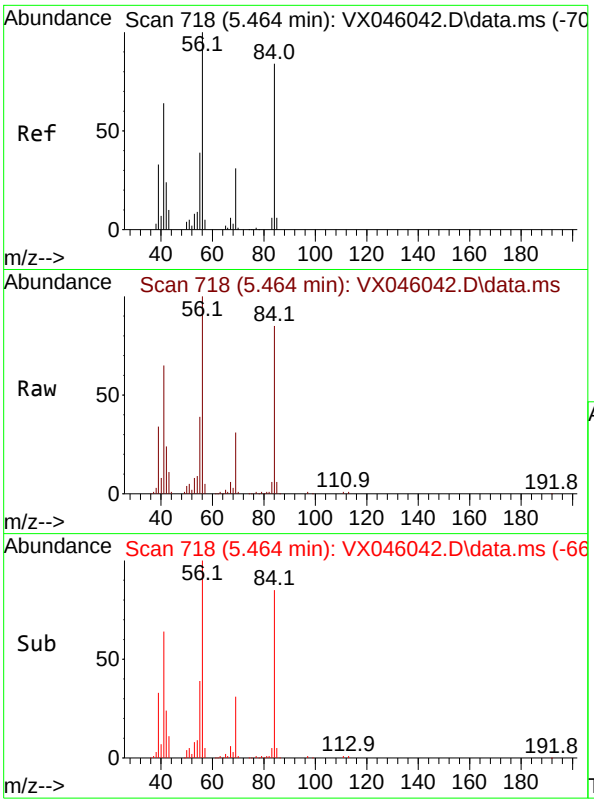


#30
Chloroform
Concen: 35.626 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 125850

Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.3	73.9



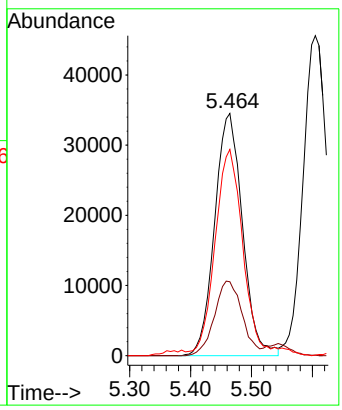


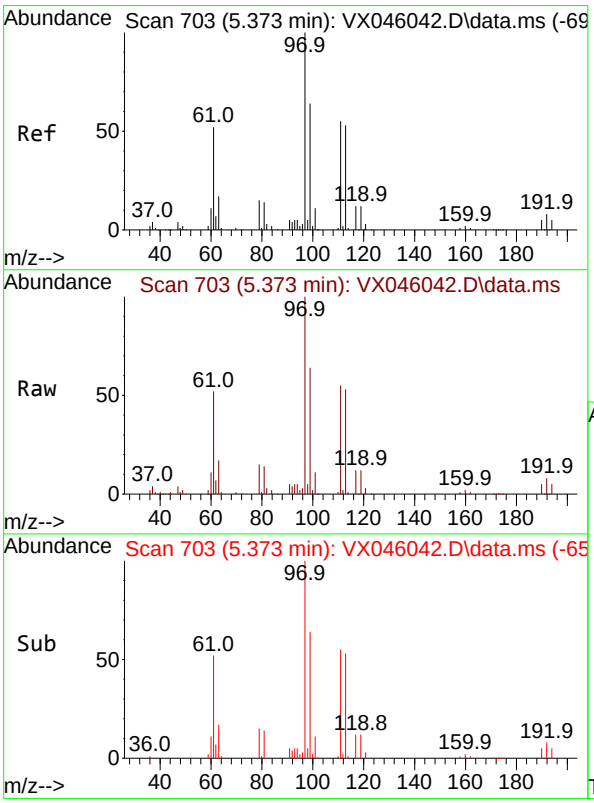
#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

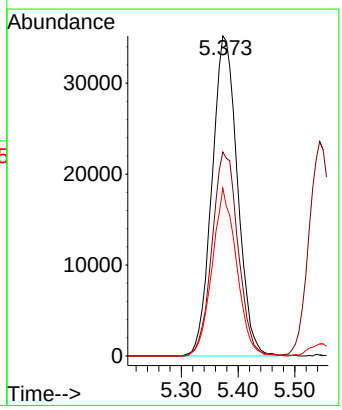


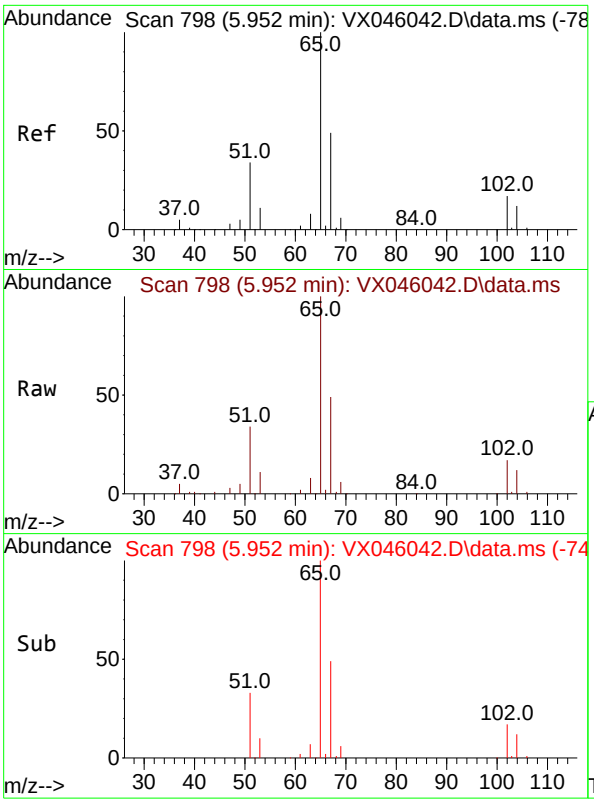


#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



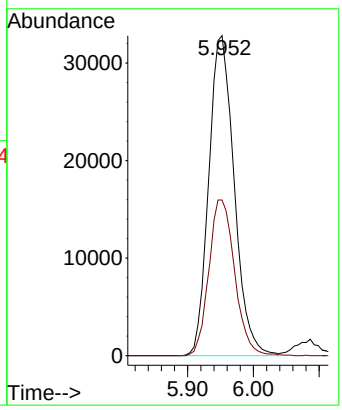


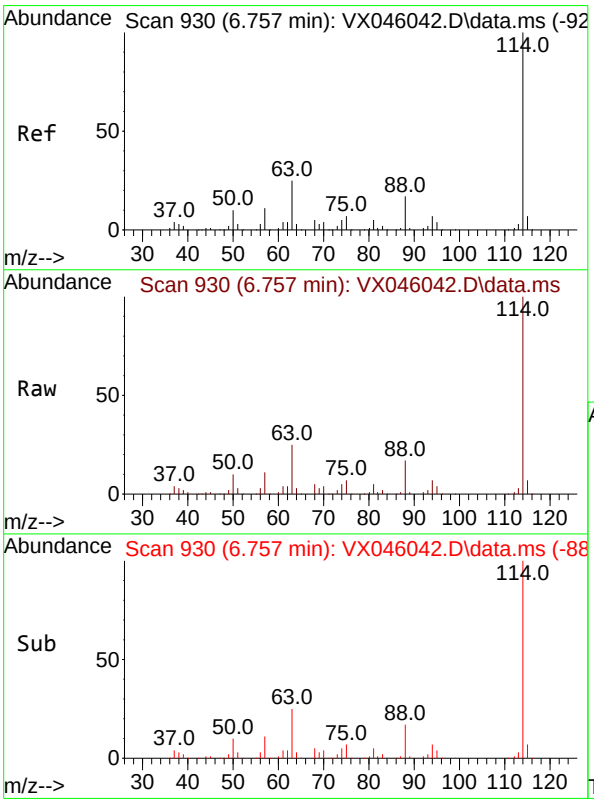
#33
1,2-Dichloroethane-d4
Concen: 30.601 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 88371

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

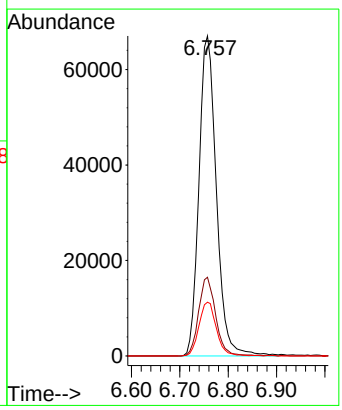


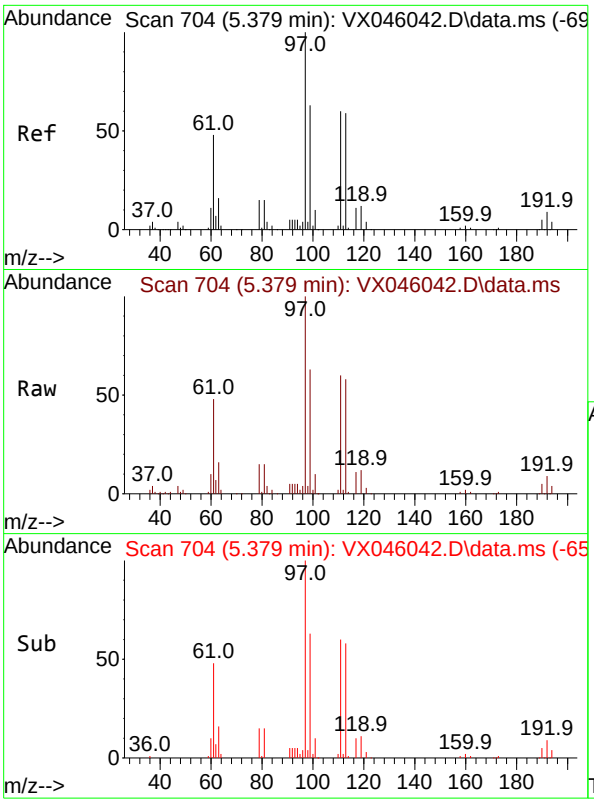


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



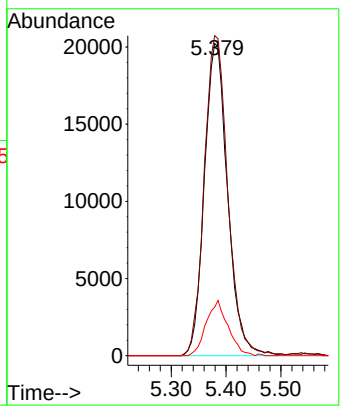


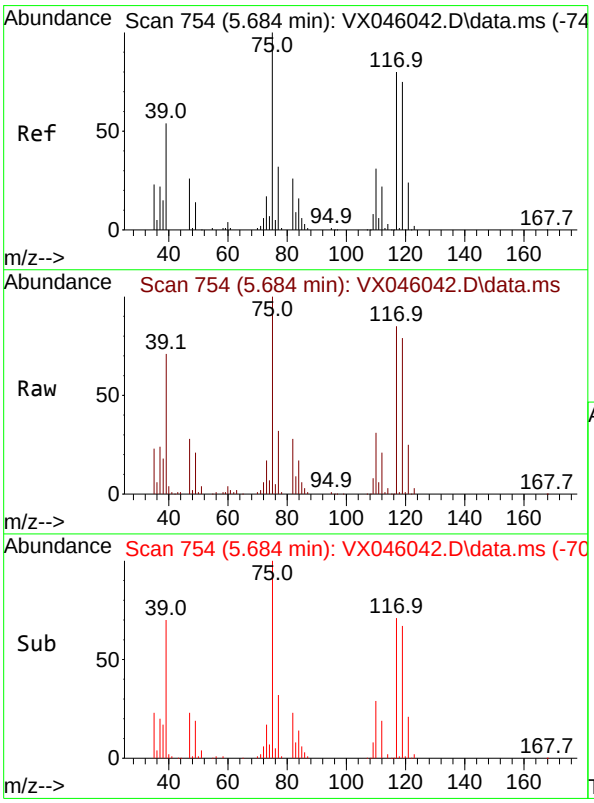
#35
Dibromofluoromethane
Concen: 31.633 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

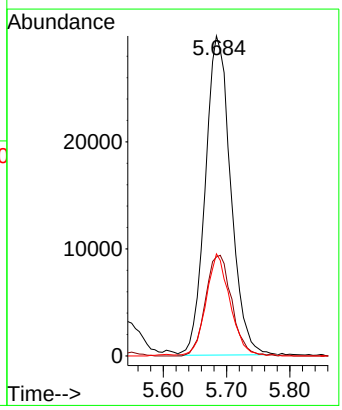


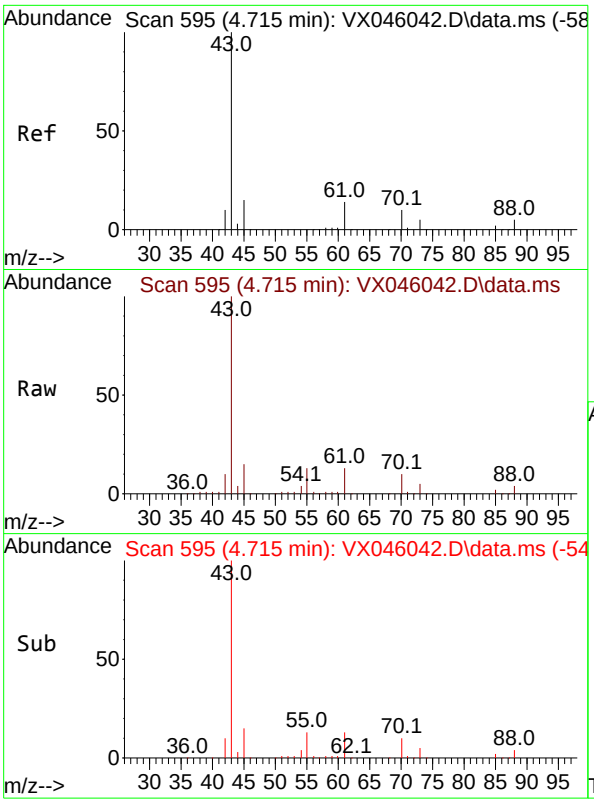


#36
1,1-Dichloropropene
Concen: 38.073 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



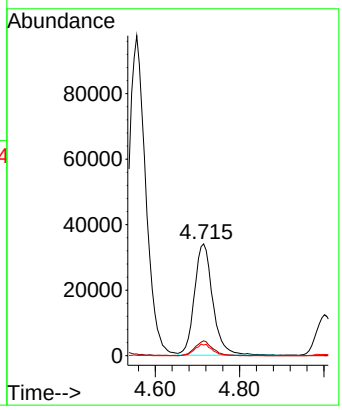


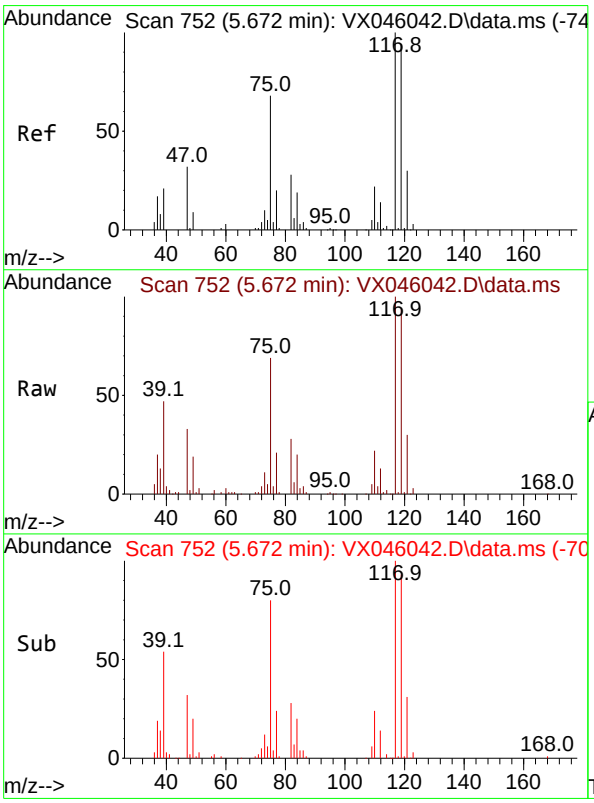
#37
Ethyl Acetate
Concen: 37.394 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

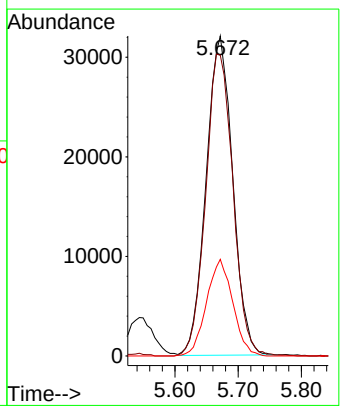


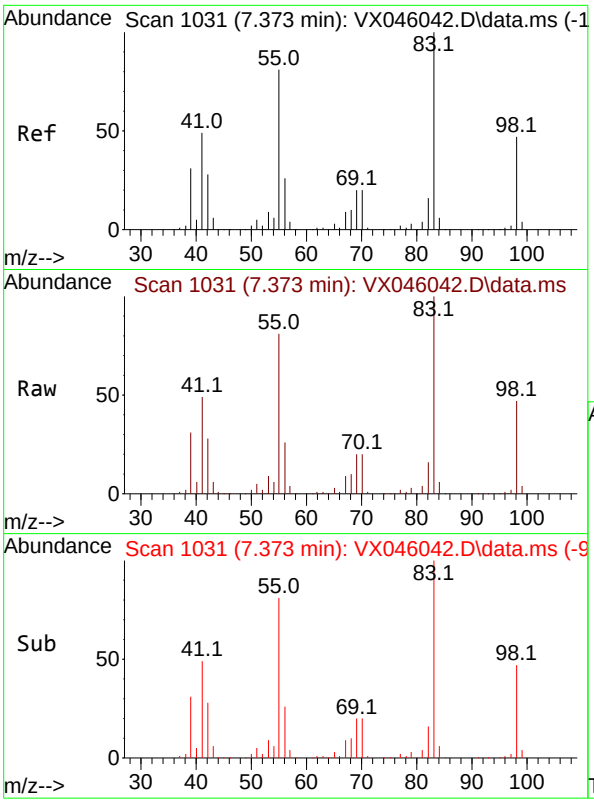


#38
Carbon Tetrachloride
Concen: 37.320 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



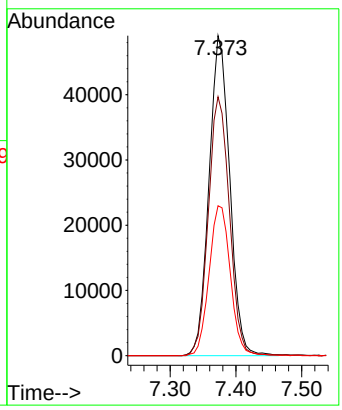


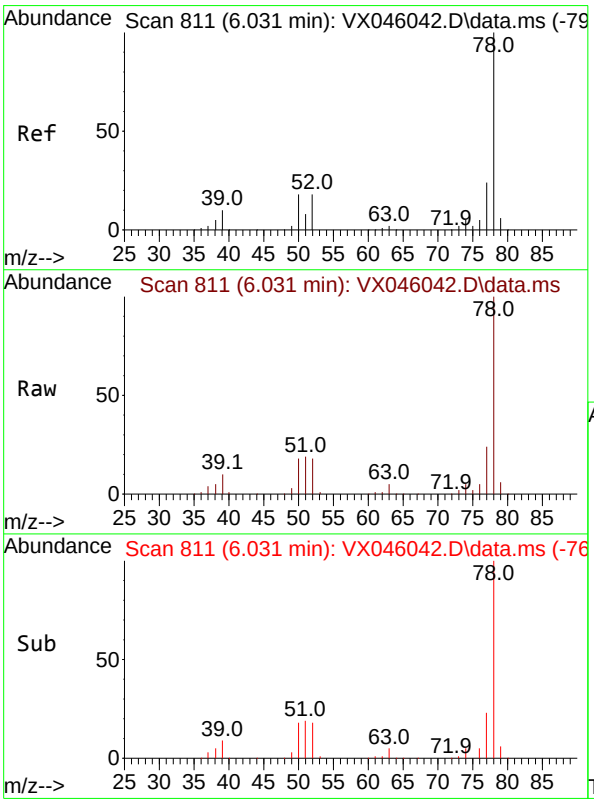
#39
Methylcyclohexane
Concen: 39.307 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

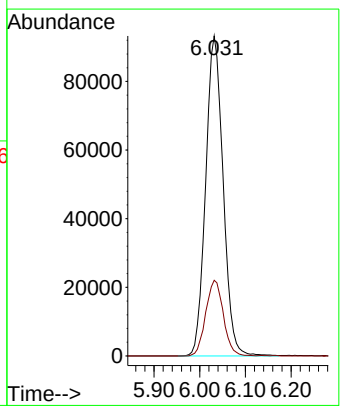


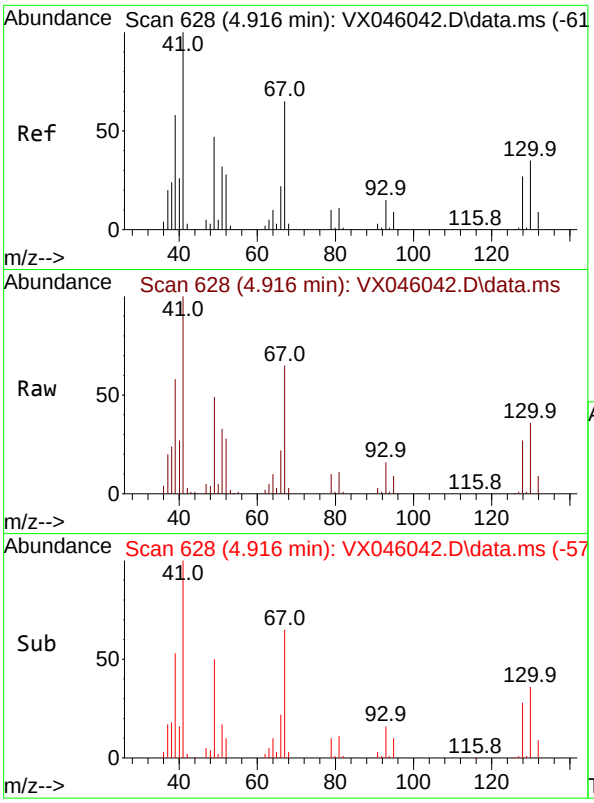


#40
Benzene
Concen: 36.530 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 78 Resp: 247476

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4



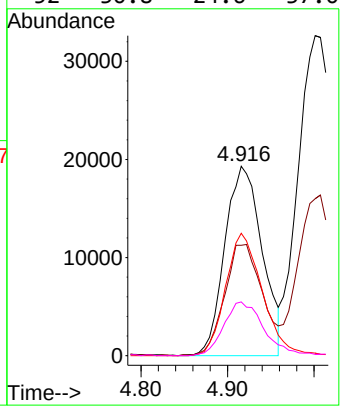


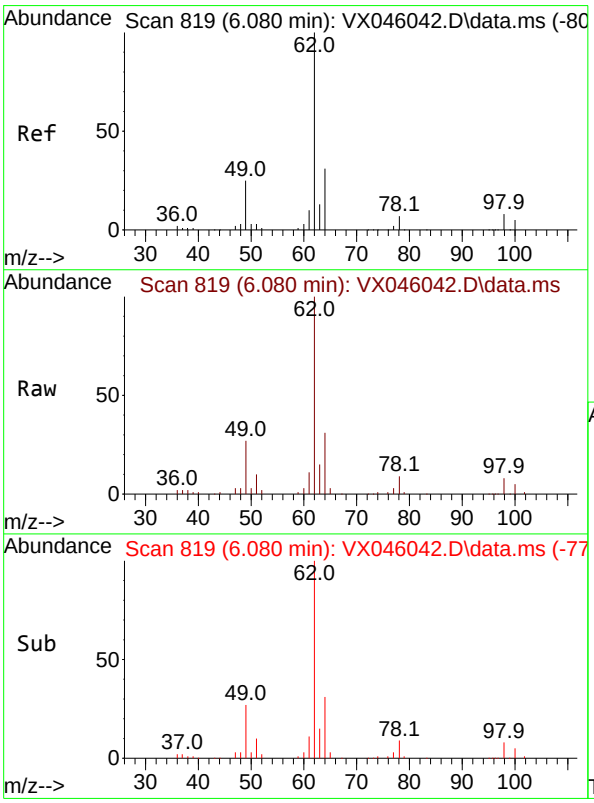
#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

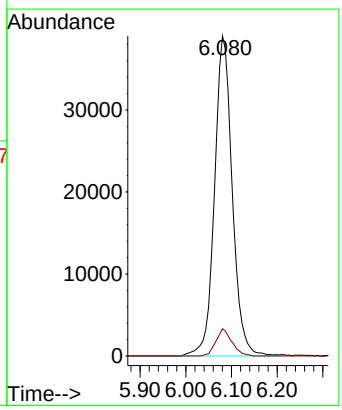


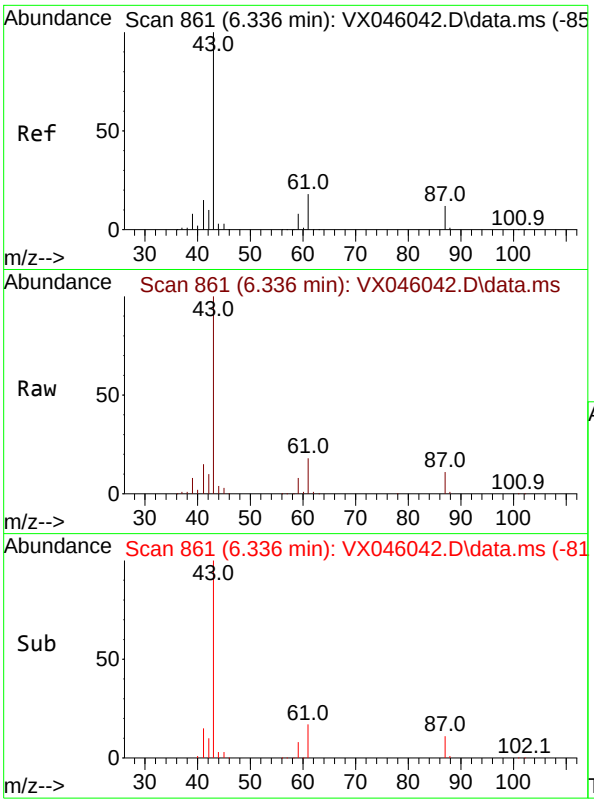


#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



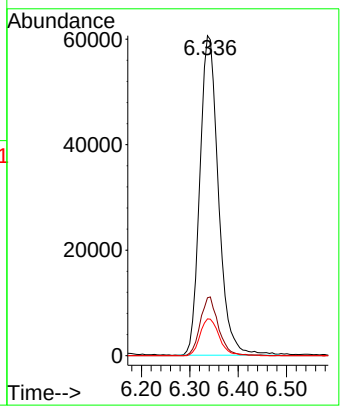


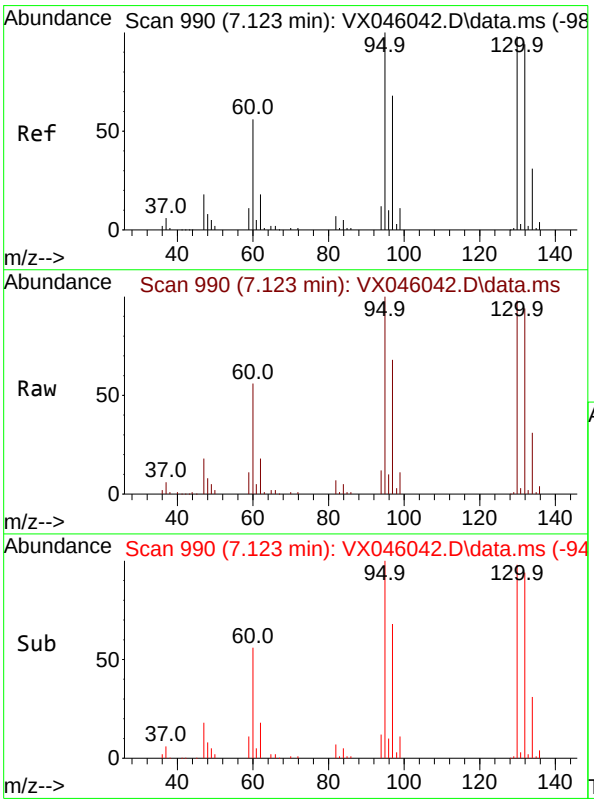
#43
Isopropyl Acetate
Concen: 38.598 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

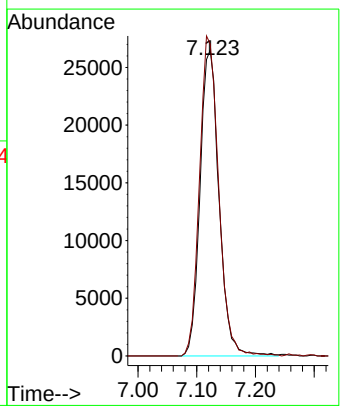


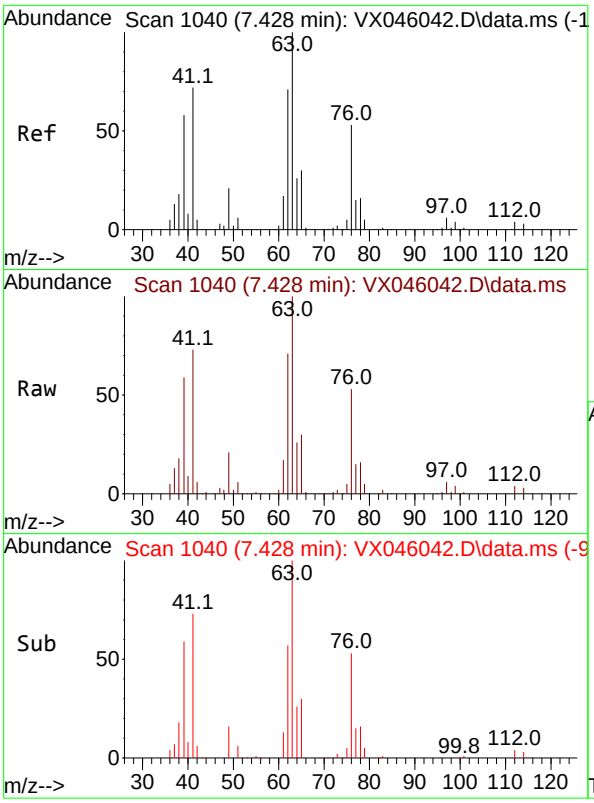


#44
Trichloroethene
Concen: 37.230 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:130 Resp: 59623

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	204.2



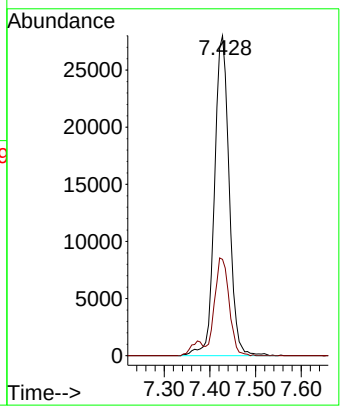


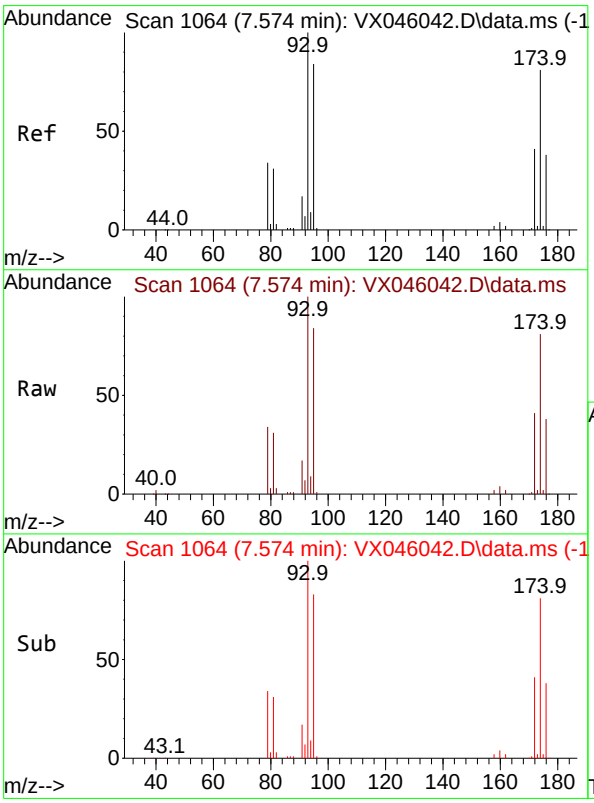
#45
1,2-Dichloropropane
Concen: 37.064 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 62387

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1

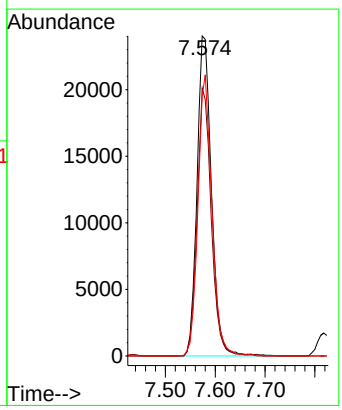


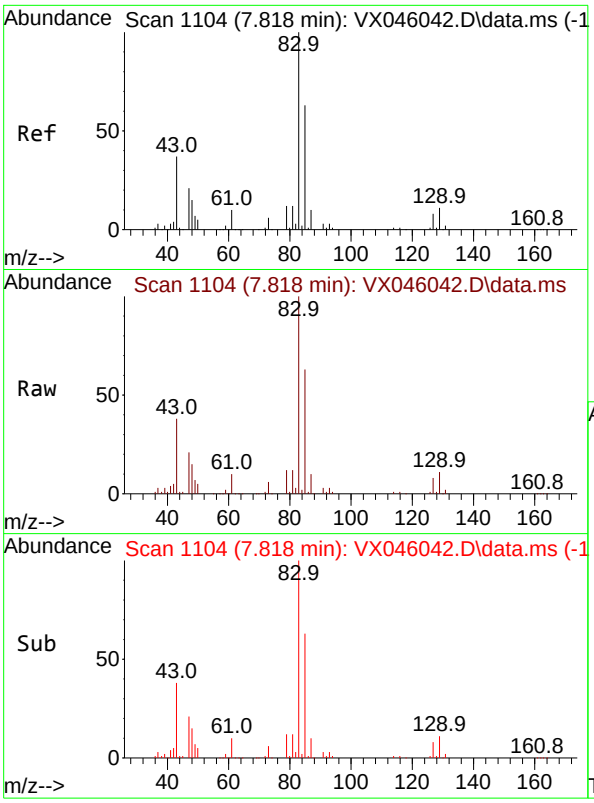


#46
Dibromomethane
Concen: 36.326 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



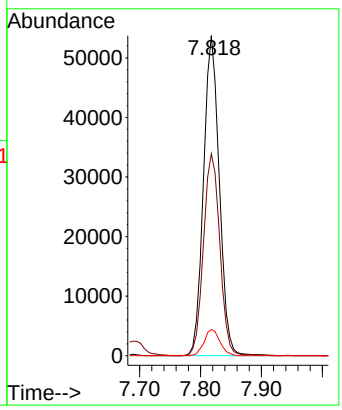


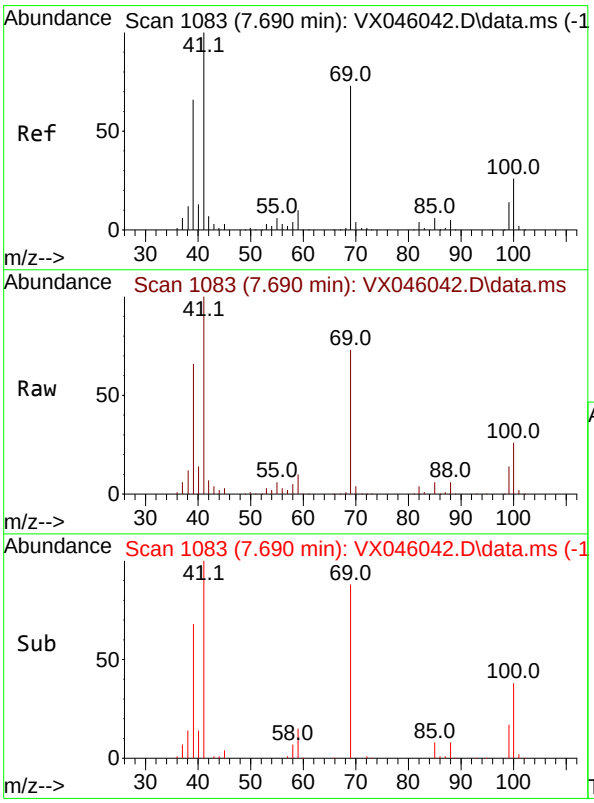
#47
Bromodichloromethane
Concen: 37.685 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

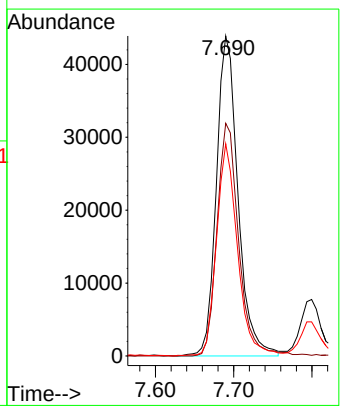


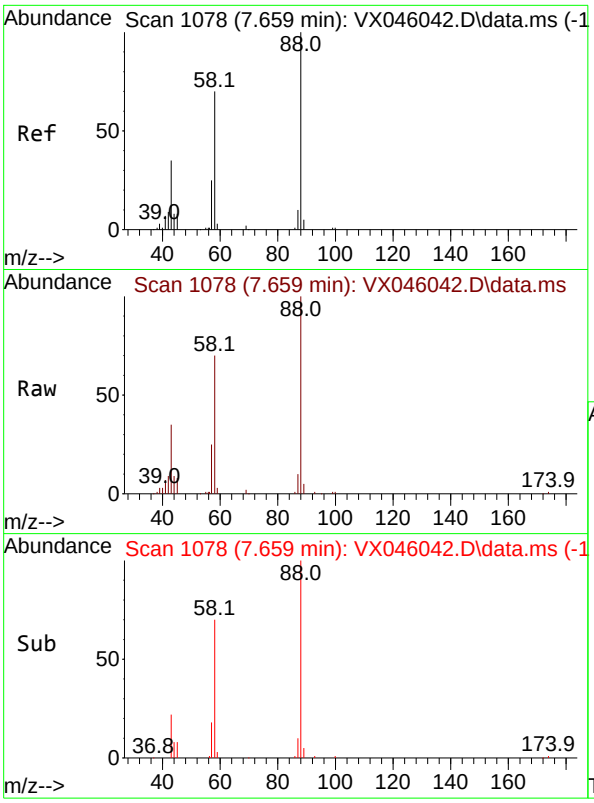


#48
Methyl methacrylate
Concen: 39.157 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



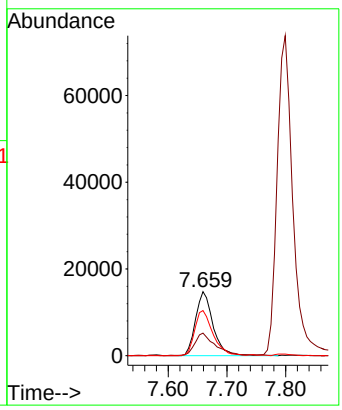


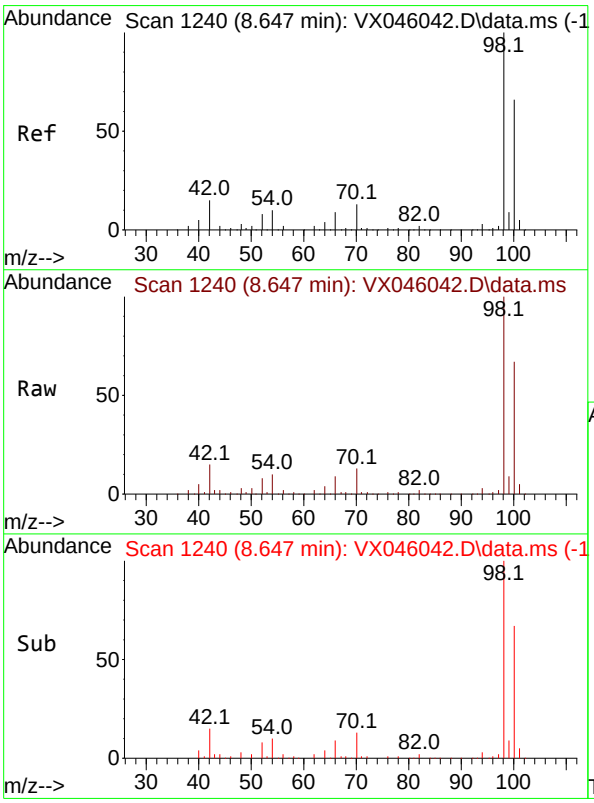
#49
1,4-Dioxane
Concen: 713.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

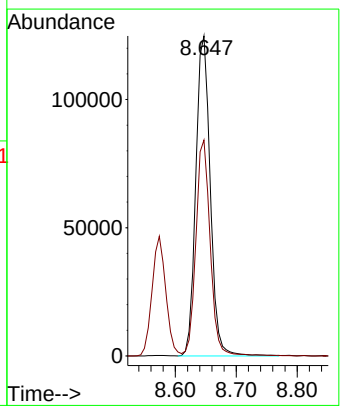


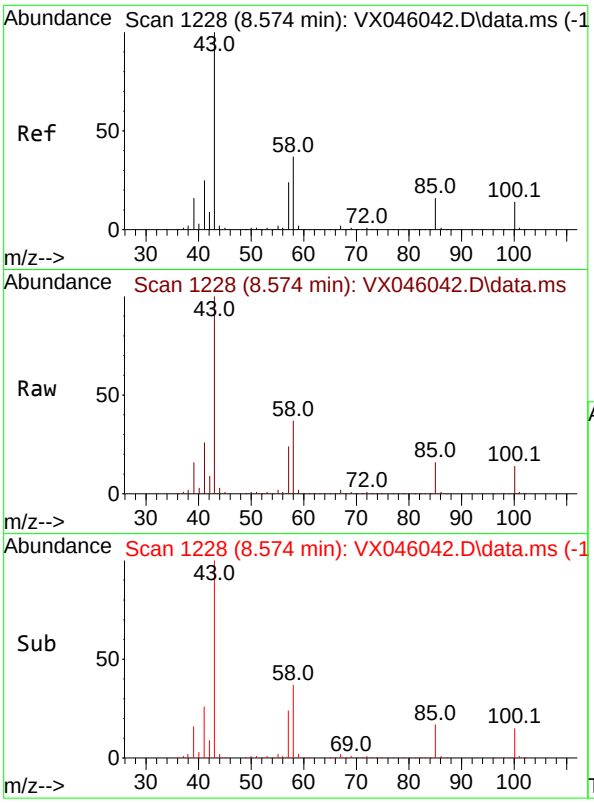


#50
Toluene-d8
Concen: 32.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 98 Resp: 205479

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.5	80.3



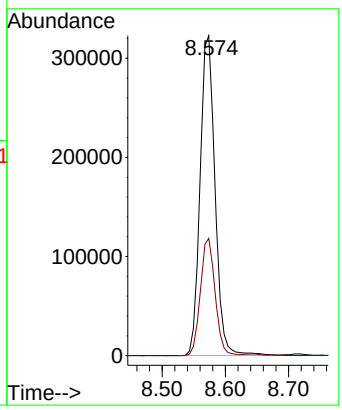


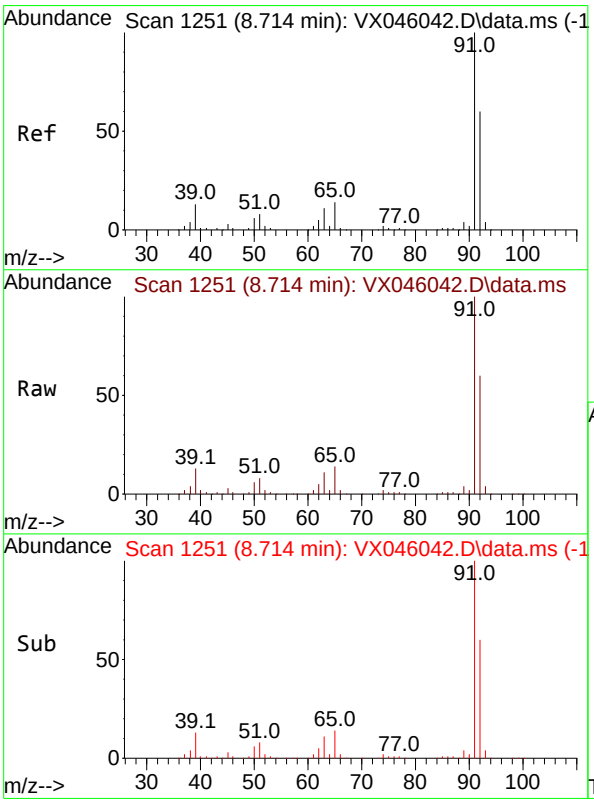
#51
4-Methyl-2-Pentanone
Concen: 193.653 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 532388

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

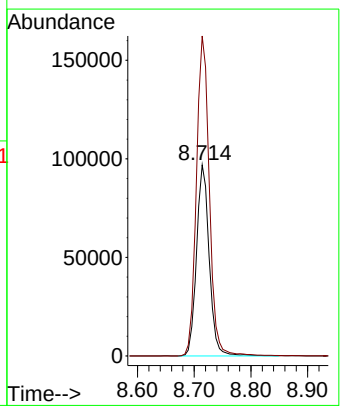


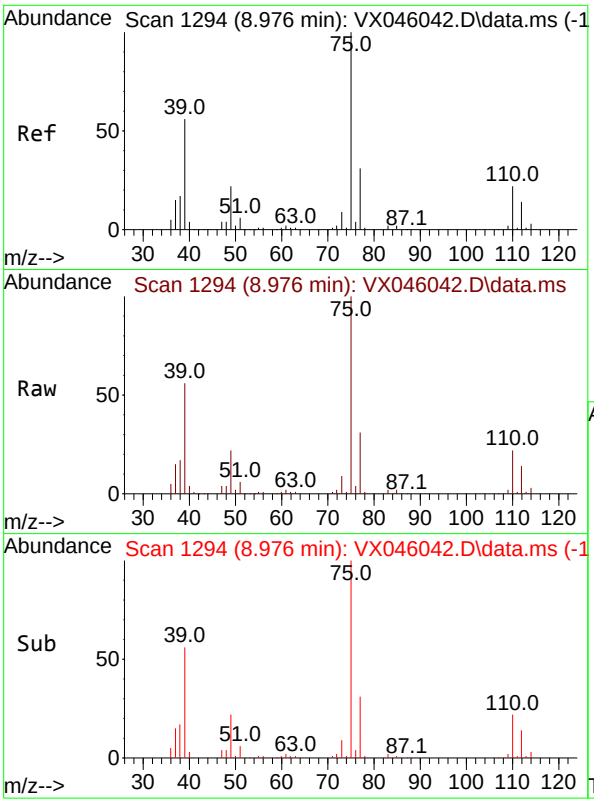


#52
Toluene
Concen: 37.530 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 92 Resp: 150757

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.6	205.0



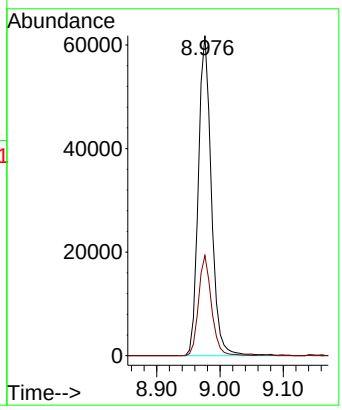


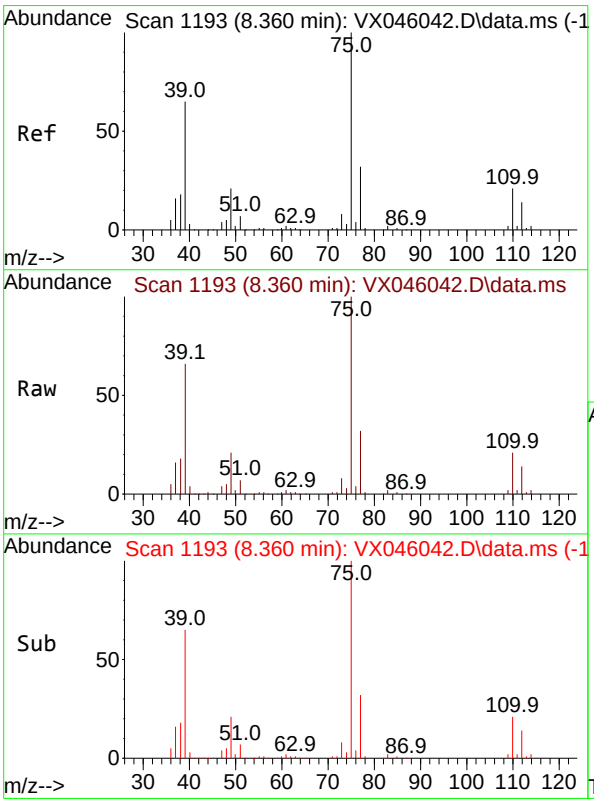
#53
t-1,3-Dichloropropene
Concen: 41.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 88655

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

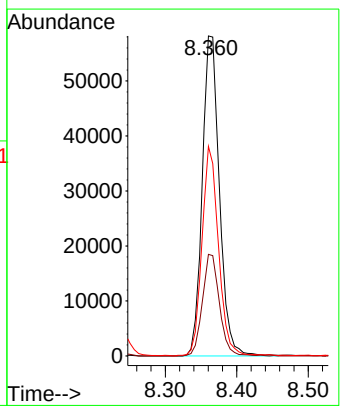


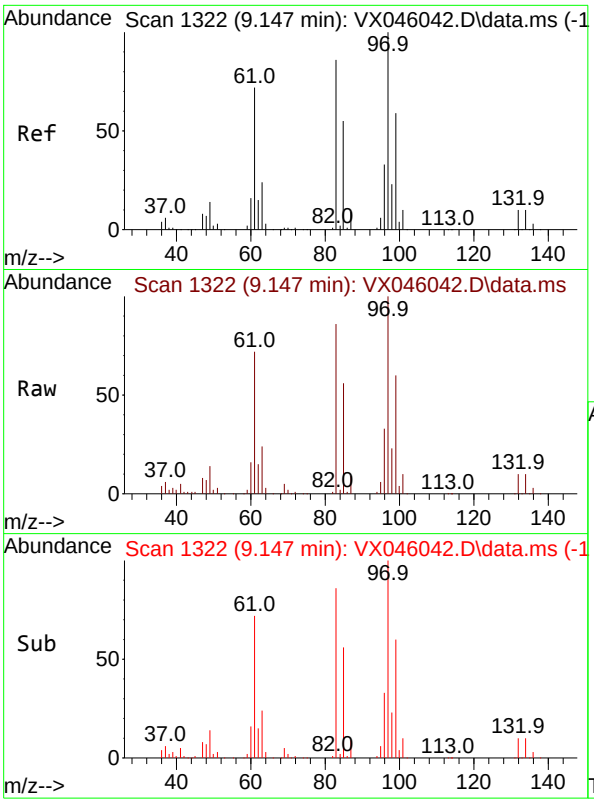


#54
cis-1,3-Dichloropropene
Concen: 38.521 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



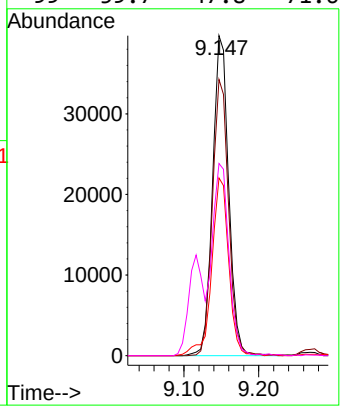


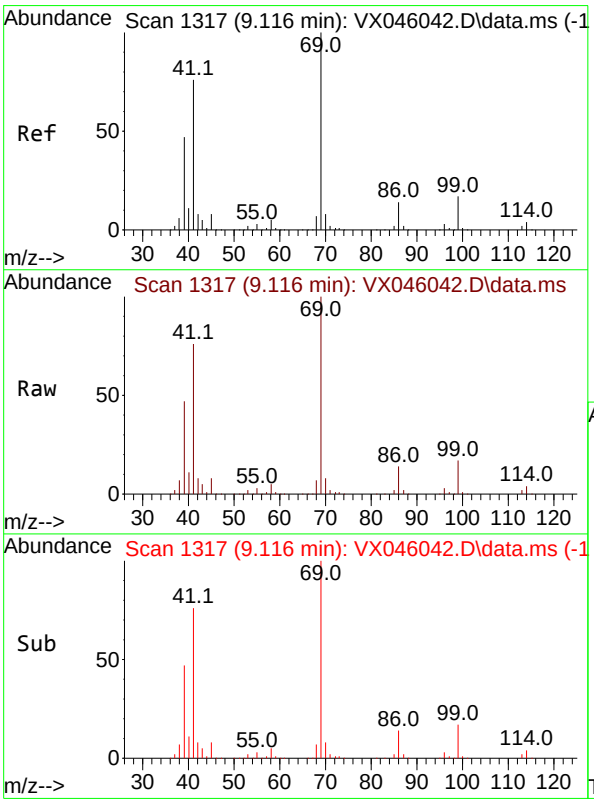
#55
1,1,2-Trichloroethane
Concen: 36.648 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

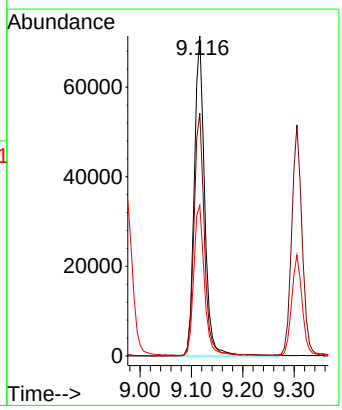


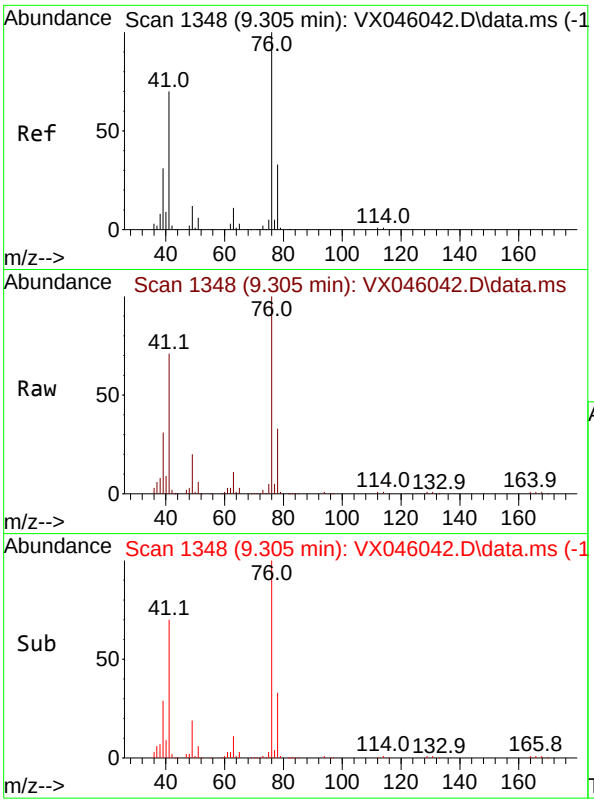


#56
Ethyl methacrylate
Concen: 39.726 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



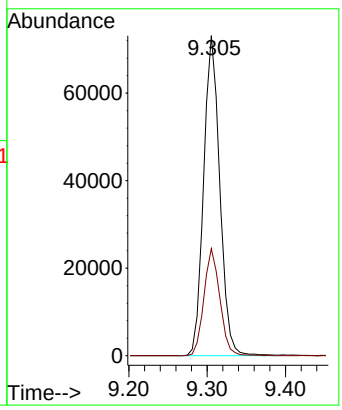


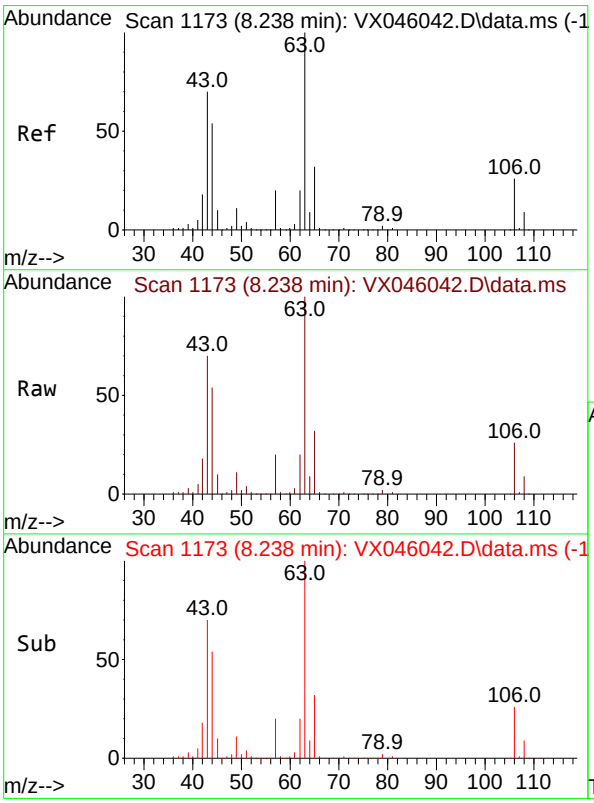
#57
1,3-Dichloropropane
Concen: 36.347 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 104606

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5

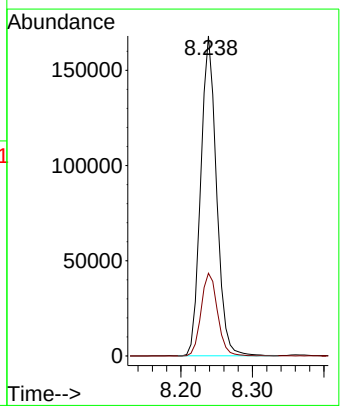


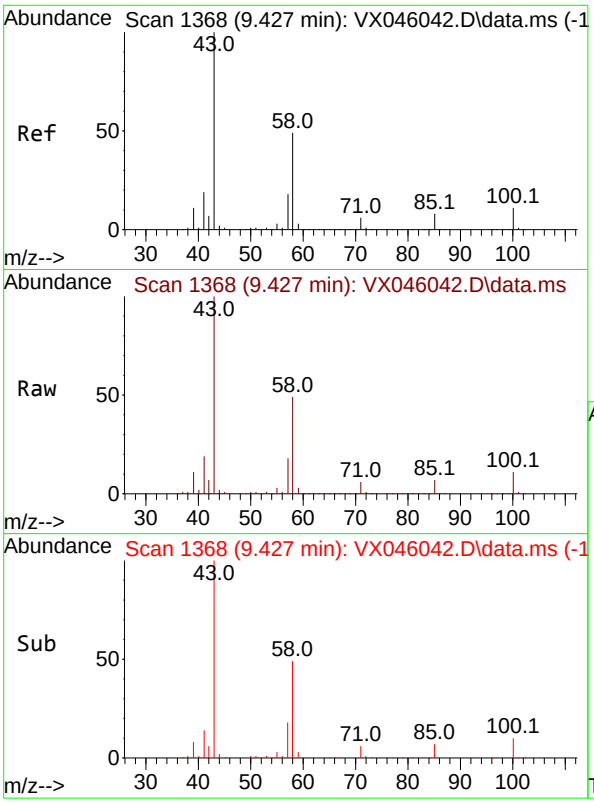


#58
2-Chloroethyl Vinyl ether
Concen: 227.902 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 257678

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



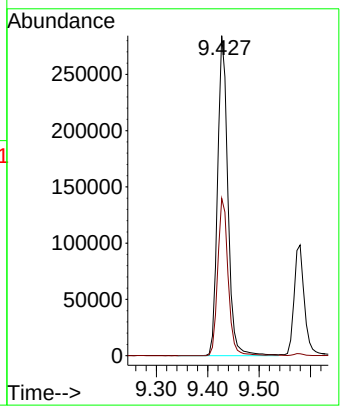


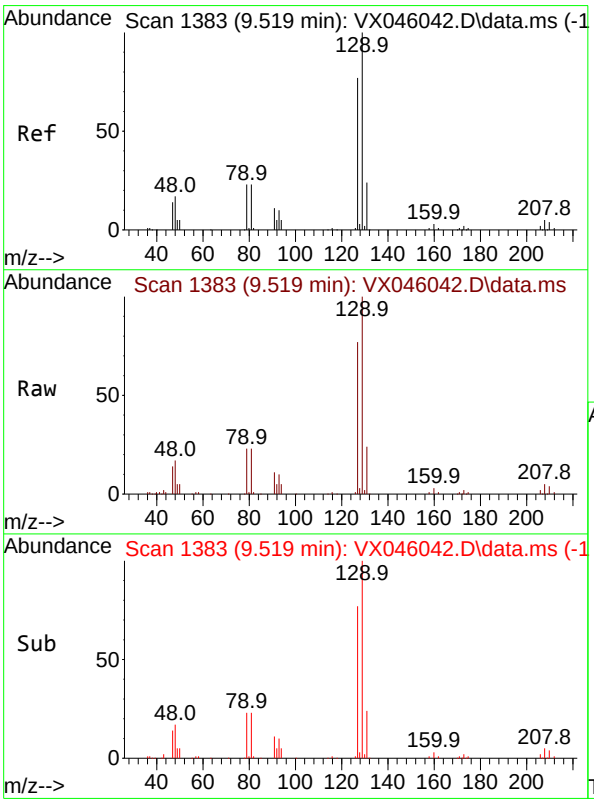
#59
2-Hexanone
Concen: 190.168 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 396784

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

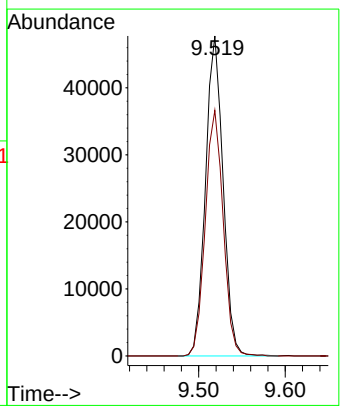


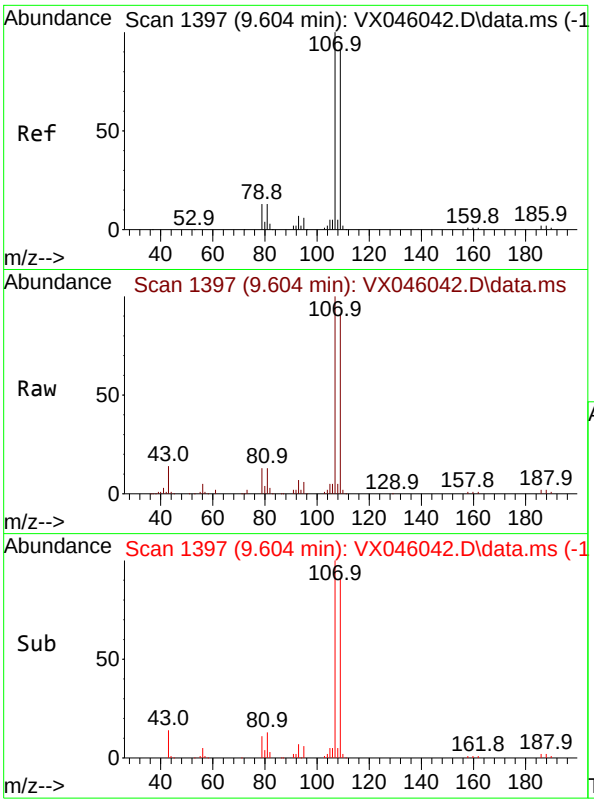


#60
Dibromochloromethane
Concen: 38.027 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:129 Resp: 67198

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8



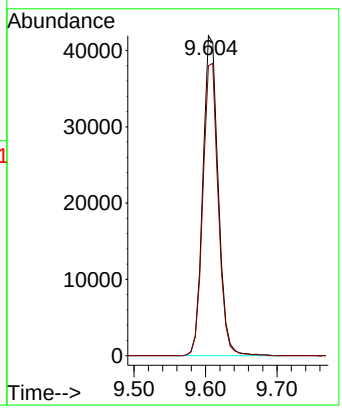


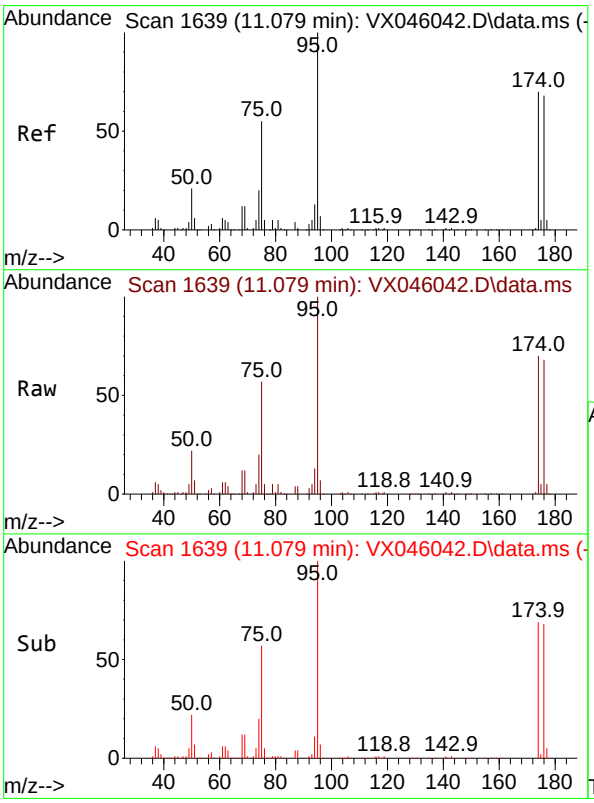
#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 62633

Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.3	109.9

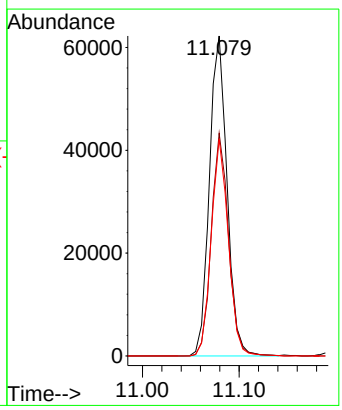


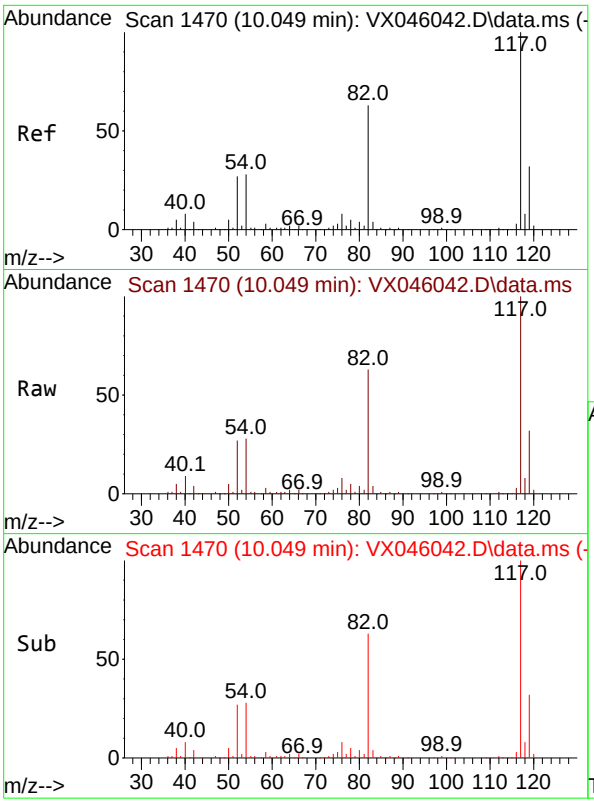


#62
4-Bromofluorobenzene
Concen: 34.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



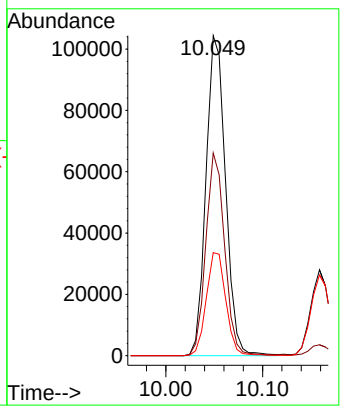


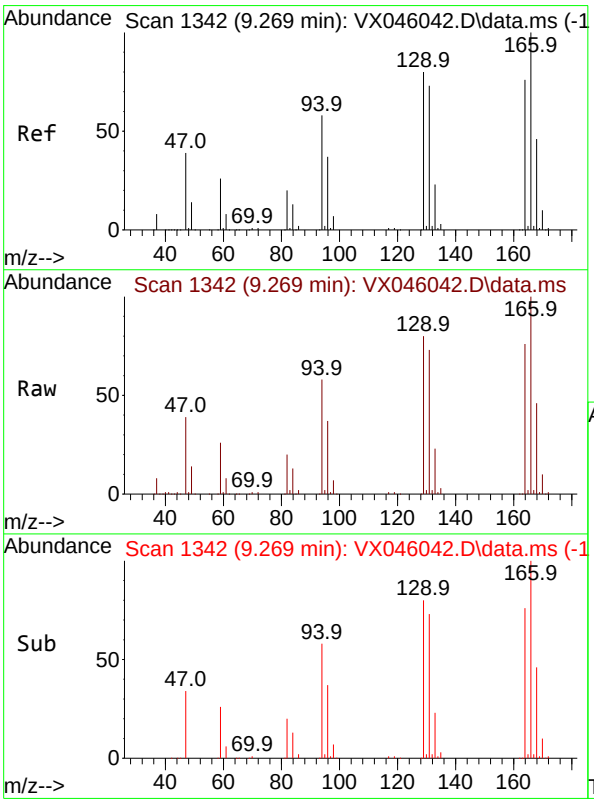
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

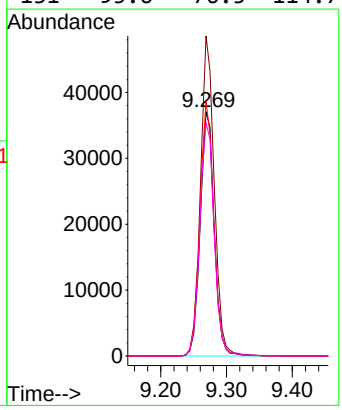


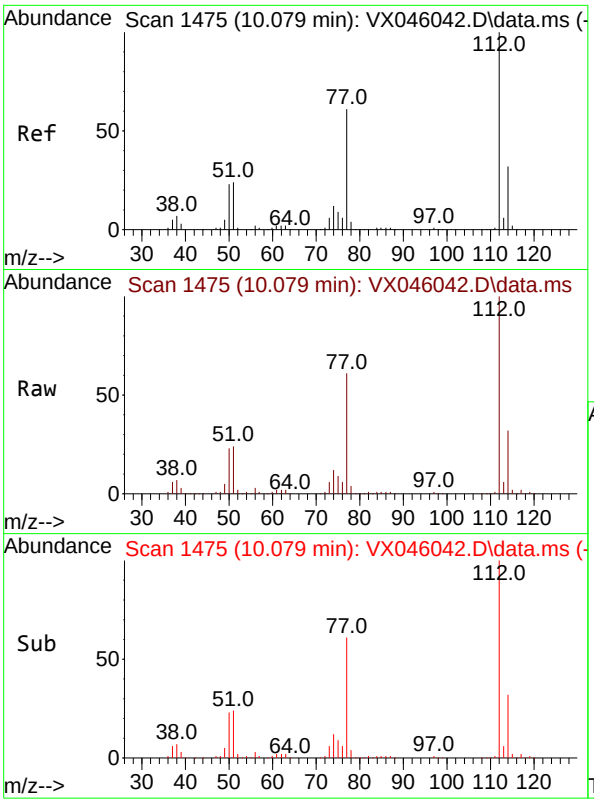


#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



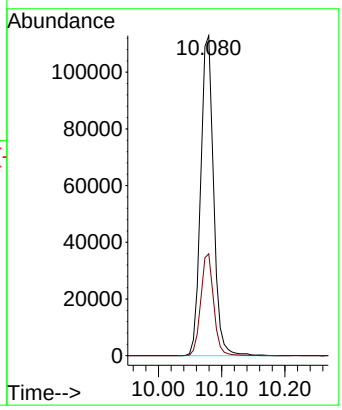


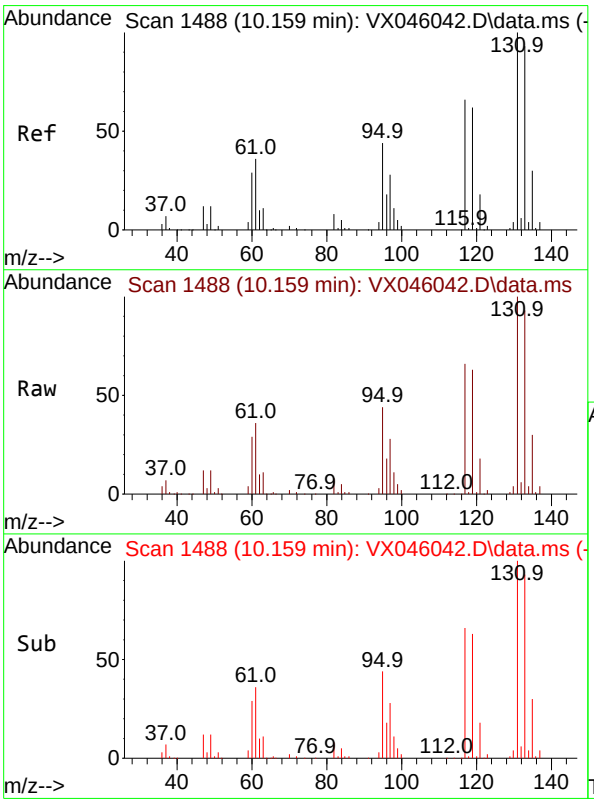
#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 160600

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

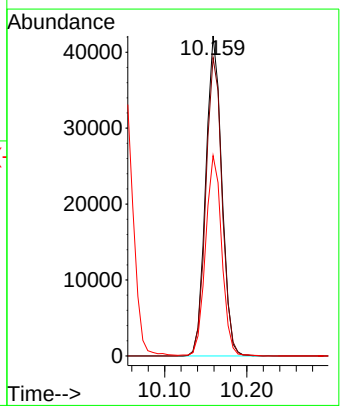


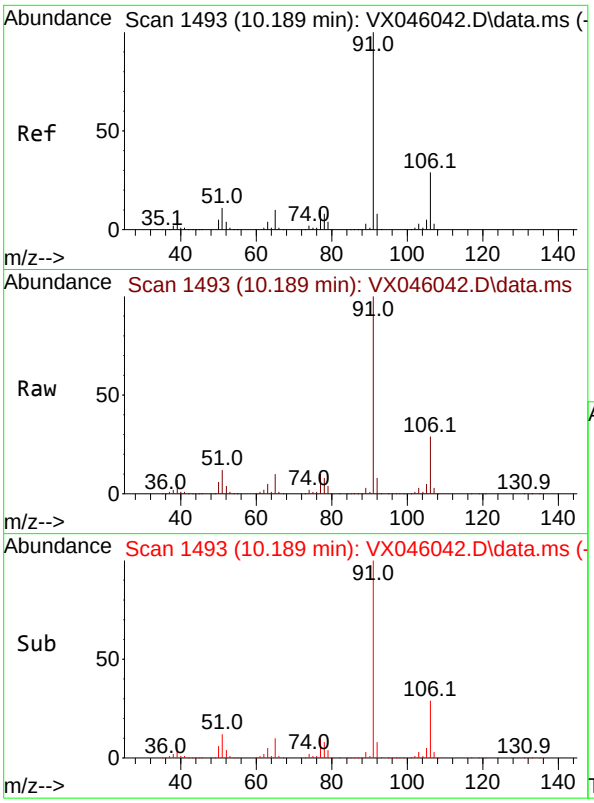


#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



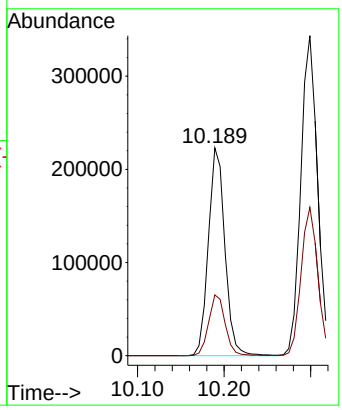


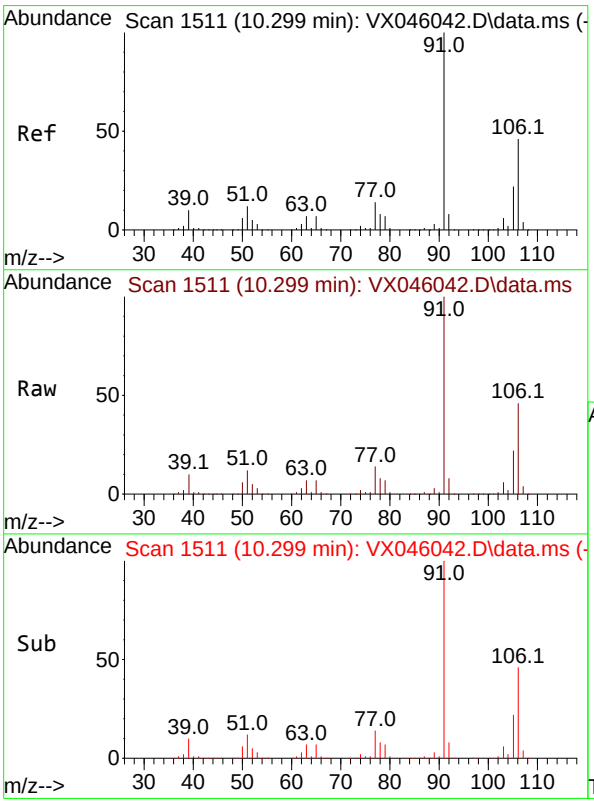
#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 295712

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

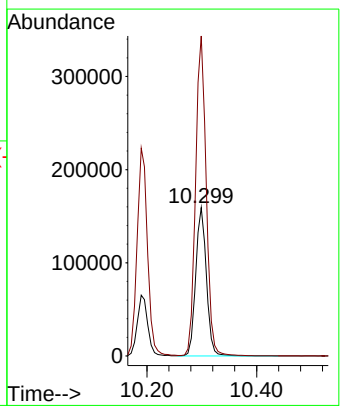


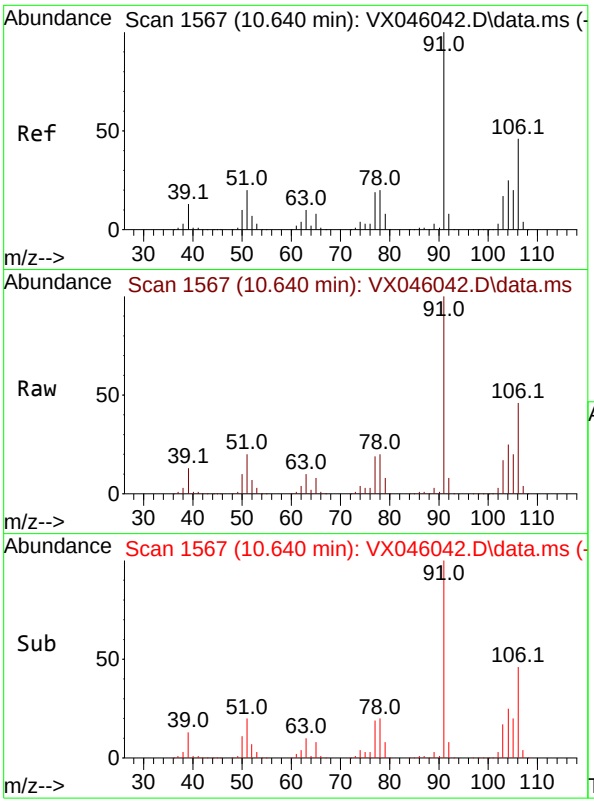


#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 216578

Ion	Ratio	Lower	Upper
106	100		
91	214.0	171.2	256.8



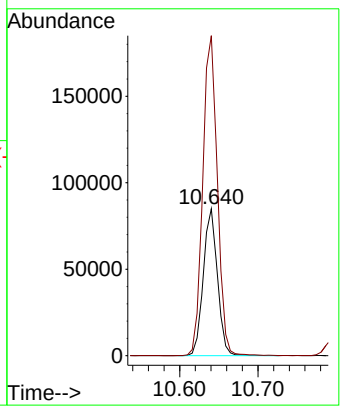


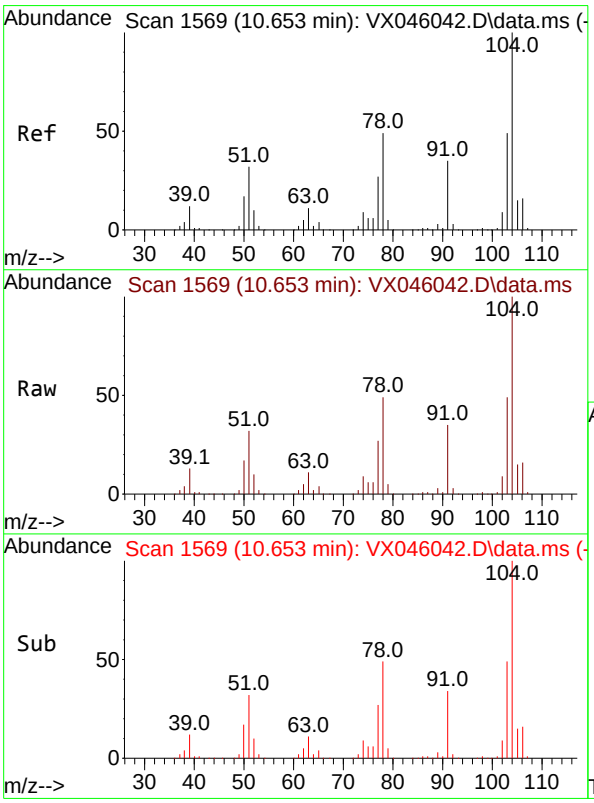
#69
o-Xylene
Concen: 38.064 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 106335

Ion	Ratio	Lower	Upper
106	100		
91	225.4	112.7	338.1

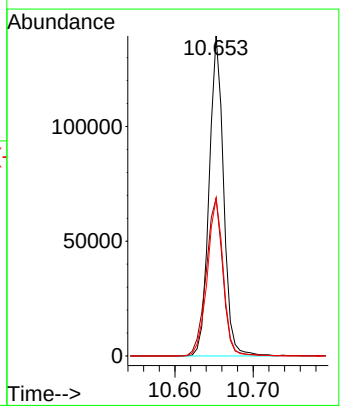


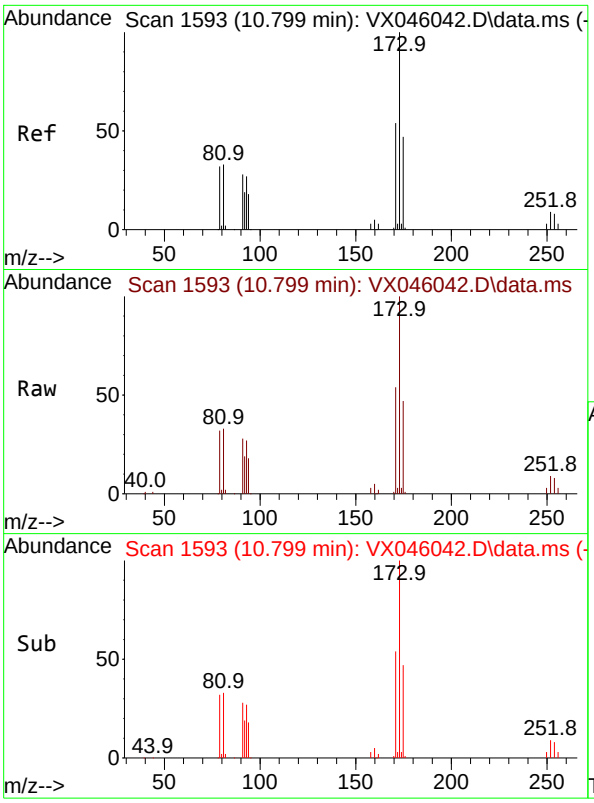


#70
Styrene
Concen: 39.888 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



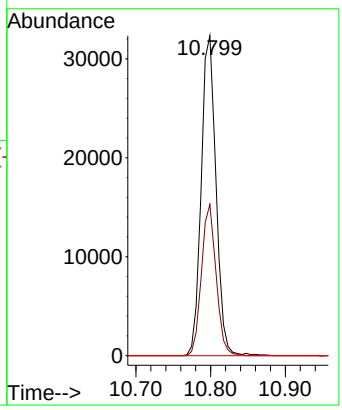


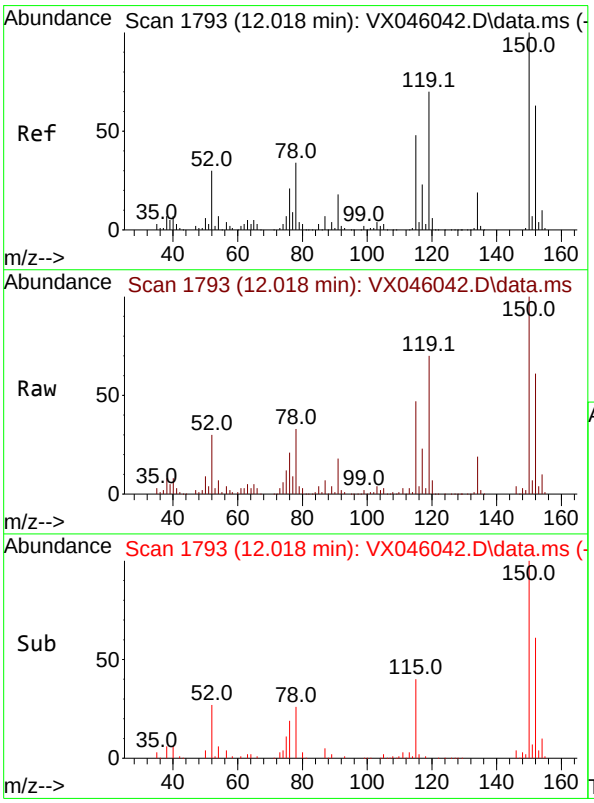
#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

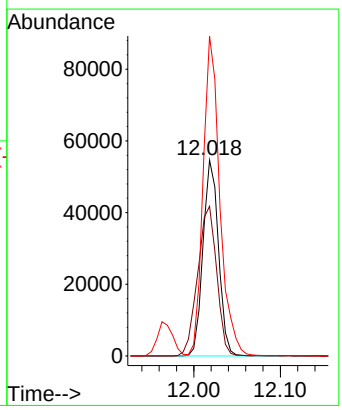


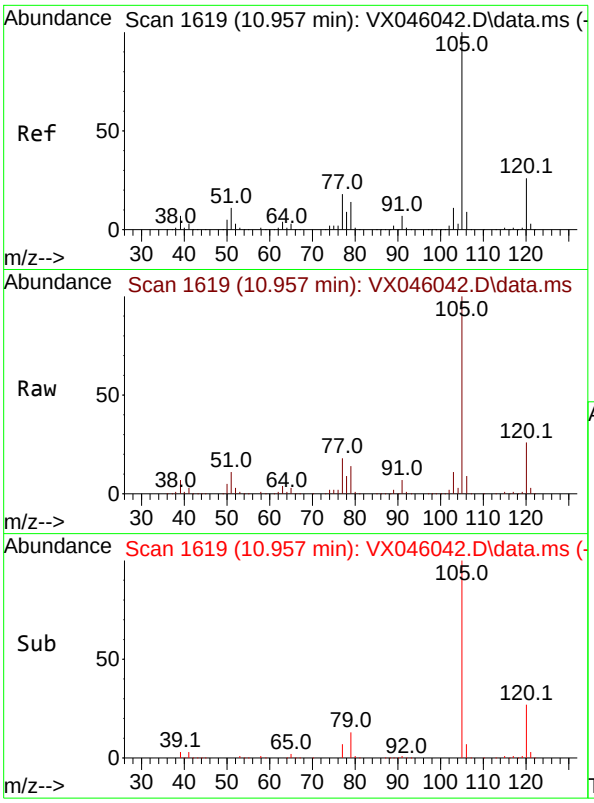


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



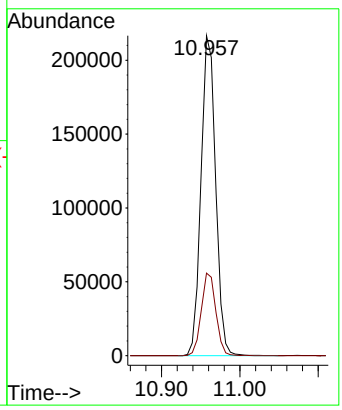


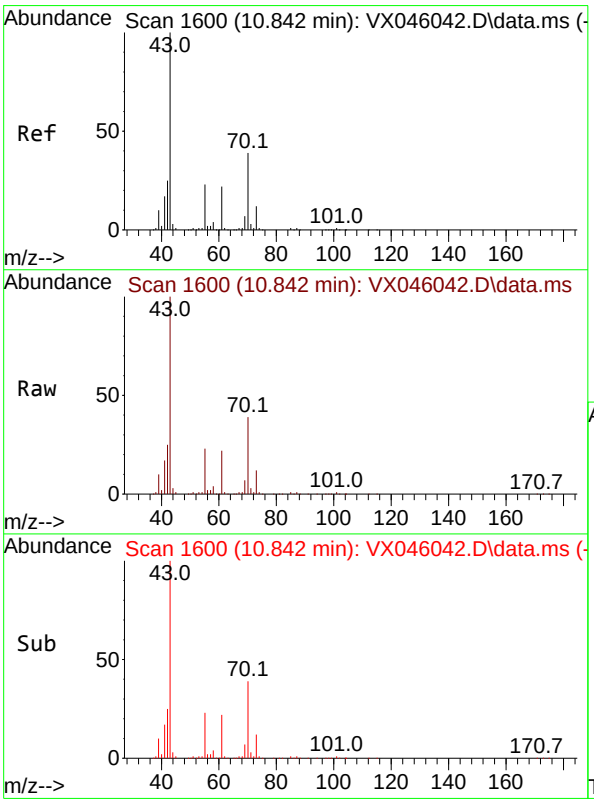
#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 280719

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

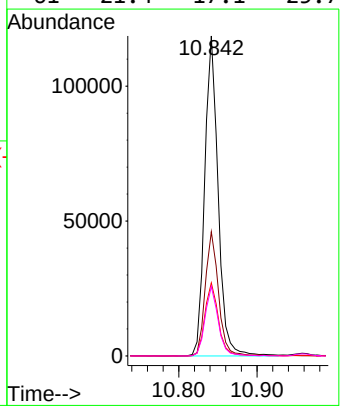


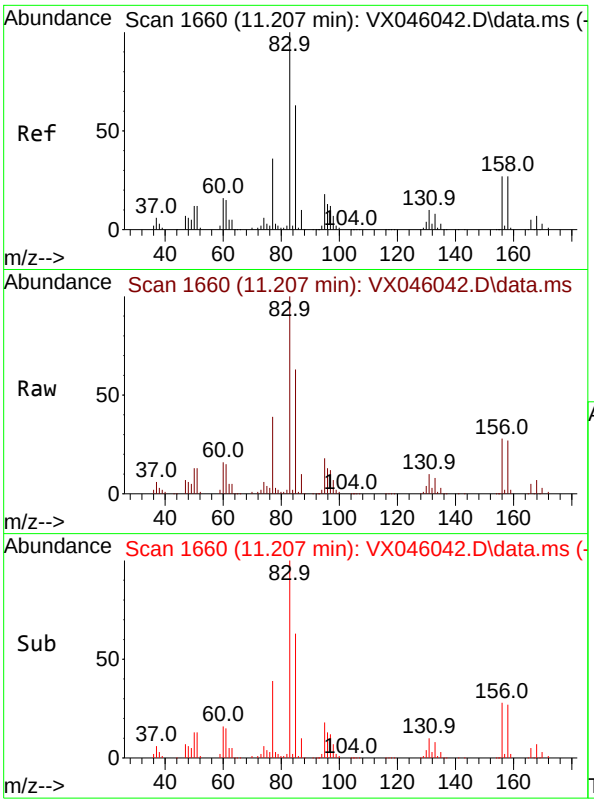


#74
N-amyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



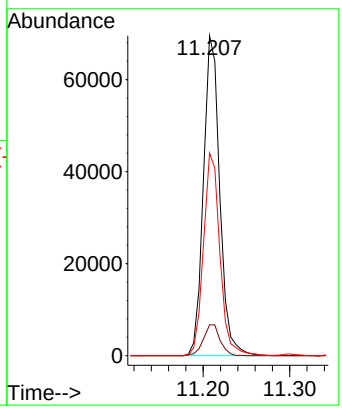


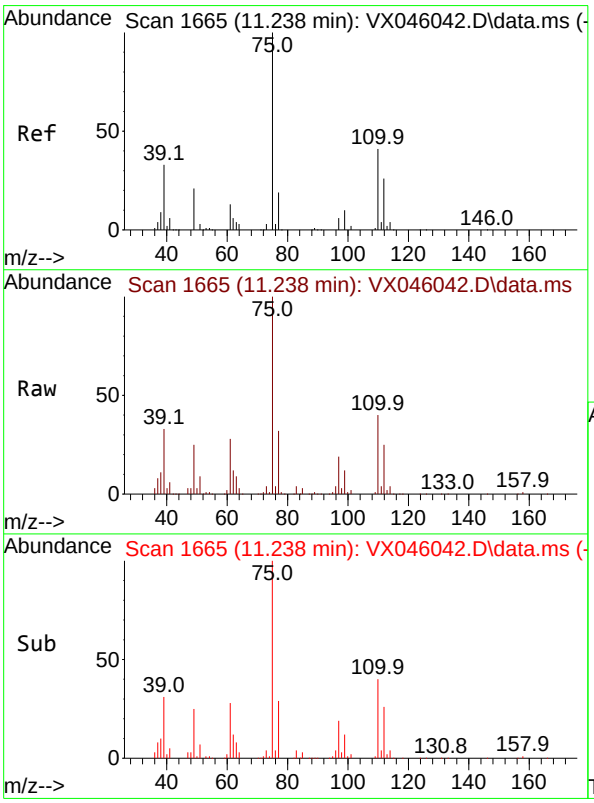
#75
1,1,2,2-Tetrachloroethane
Concen: 34.495 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

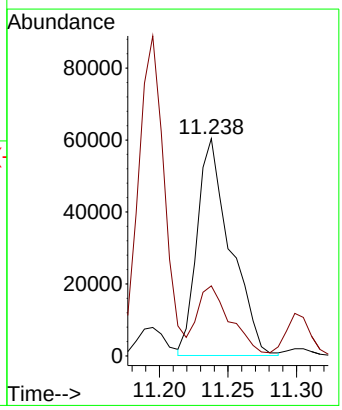


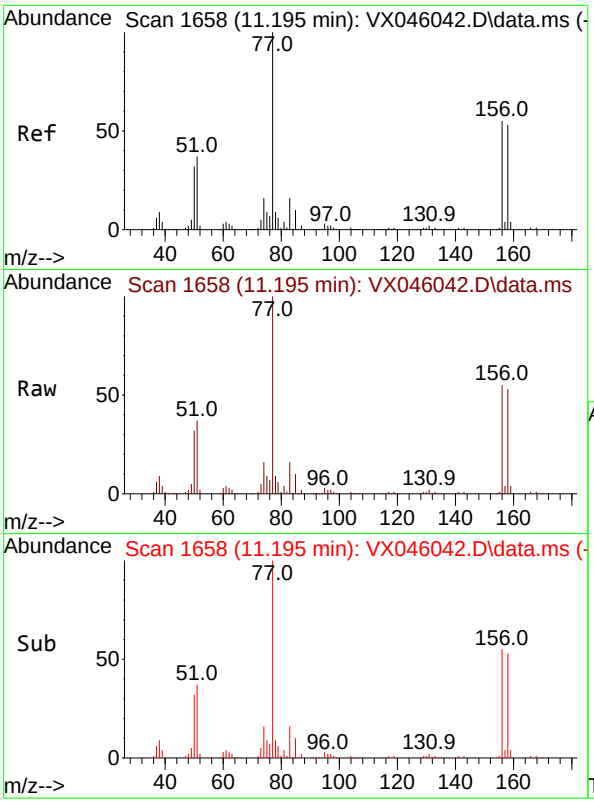


#76
1,2,3-Trichloropropane
Concen: 36.110 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 102335

Ion	Ratio	Lower	Upper
75	100		
77	32.3	20.5	61.5



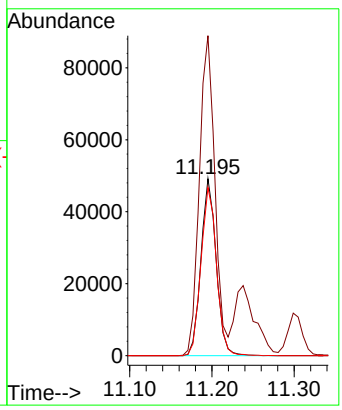


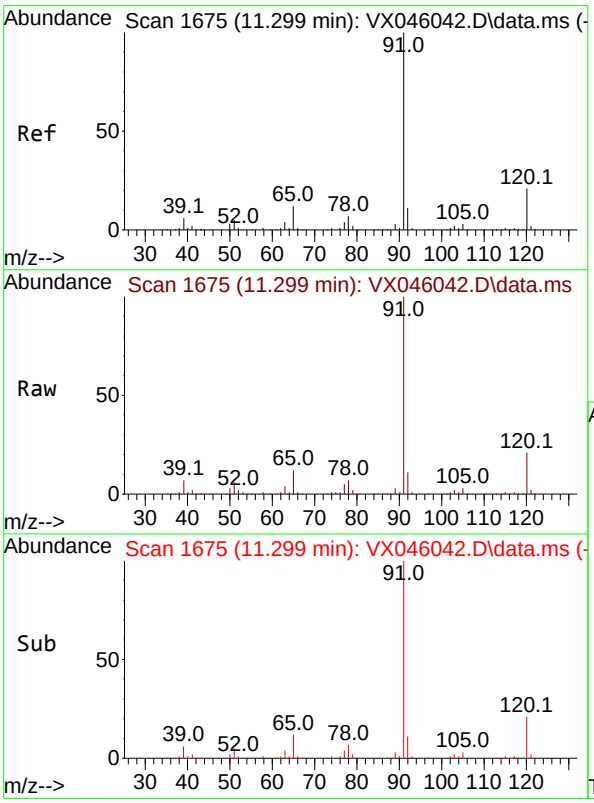
#77
Bromobenzene
Concen: 36.763 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

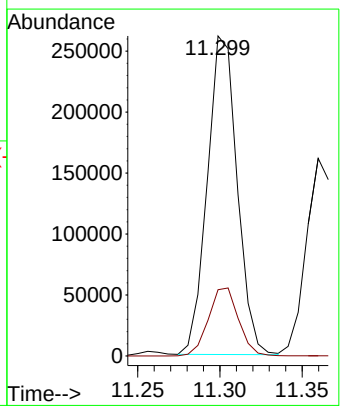


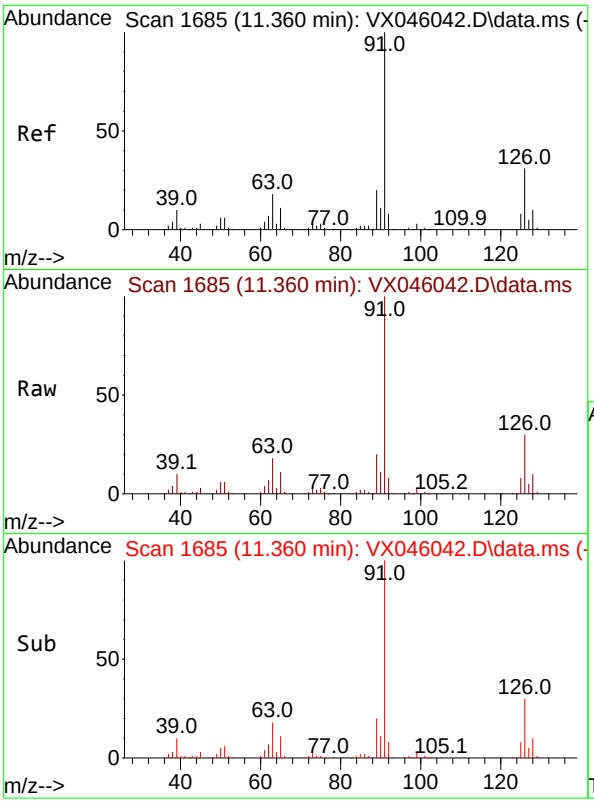


#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 329981

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



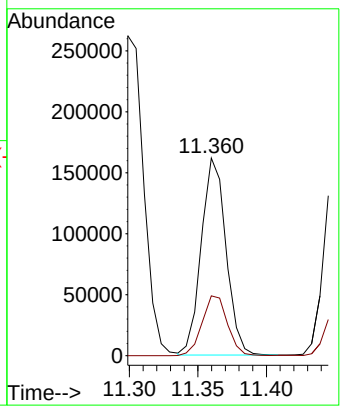


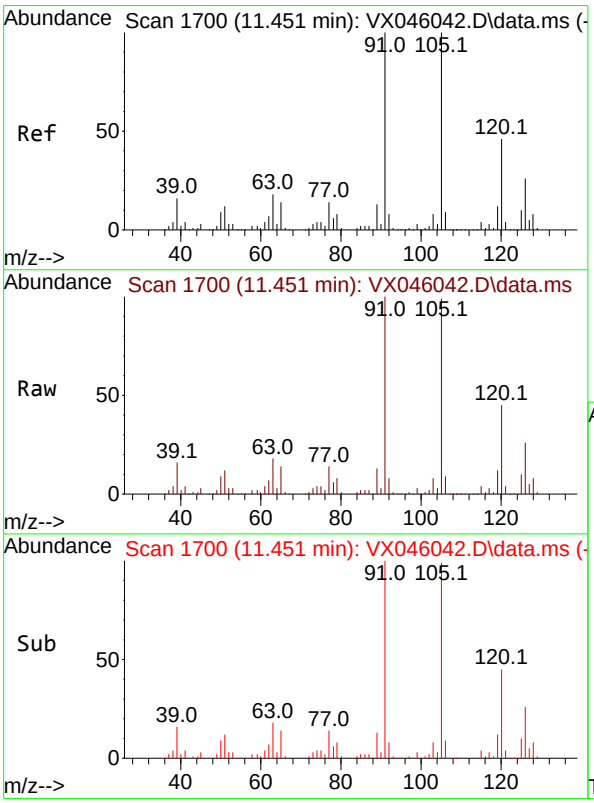
#79
2-Chlorotoluene
Concen: 36.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 203509

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7

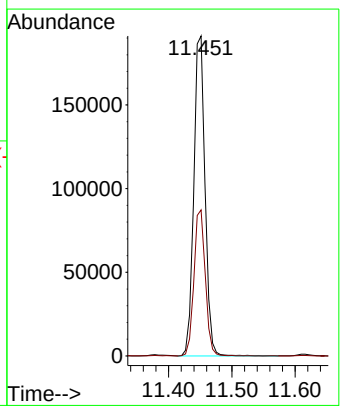


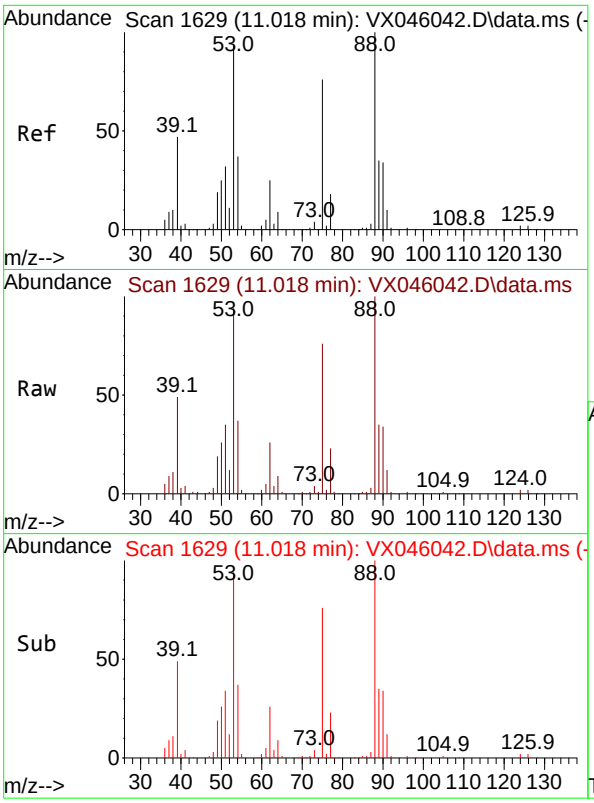


#80
1,3,5-Trimethylbenzene
Concen: 38.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 237066

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2



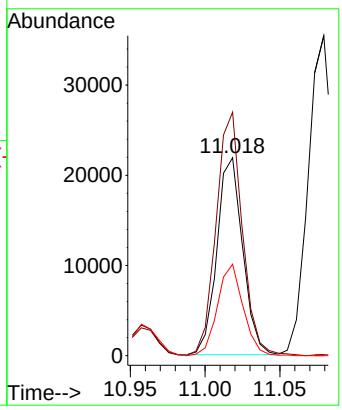


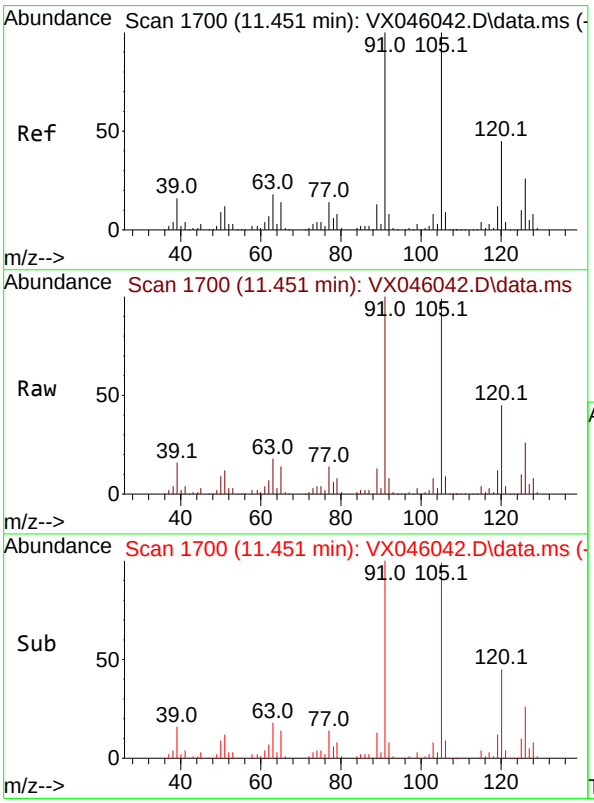
#81
trans-1,4-Dichloro-2-butene
Concen: 38.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

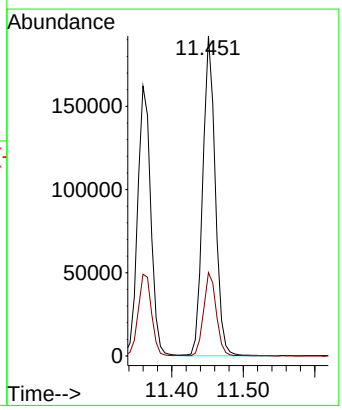


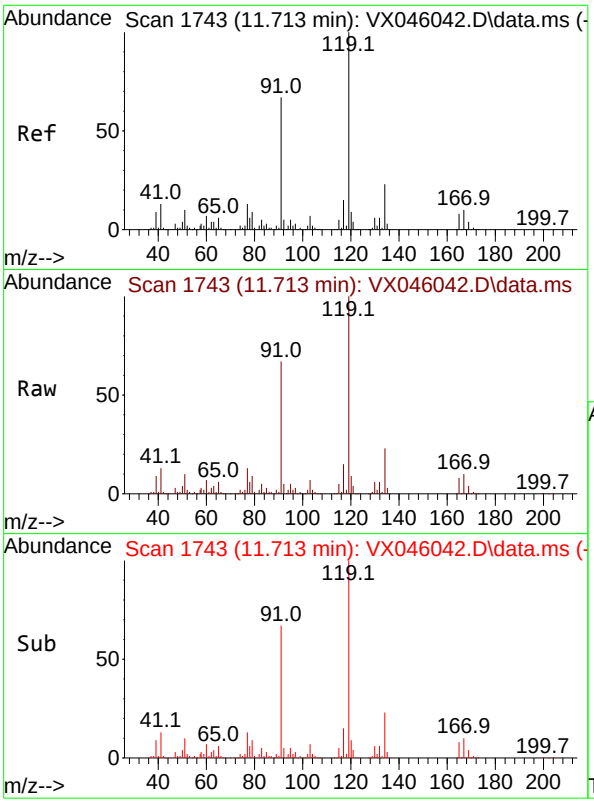


#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 233172

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8



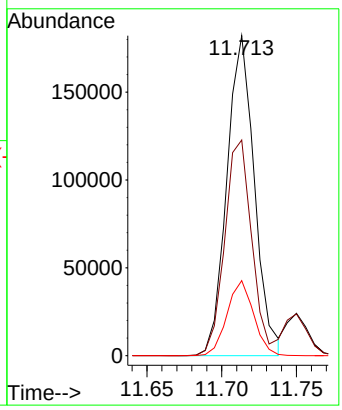


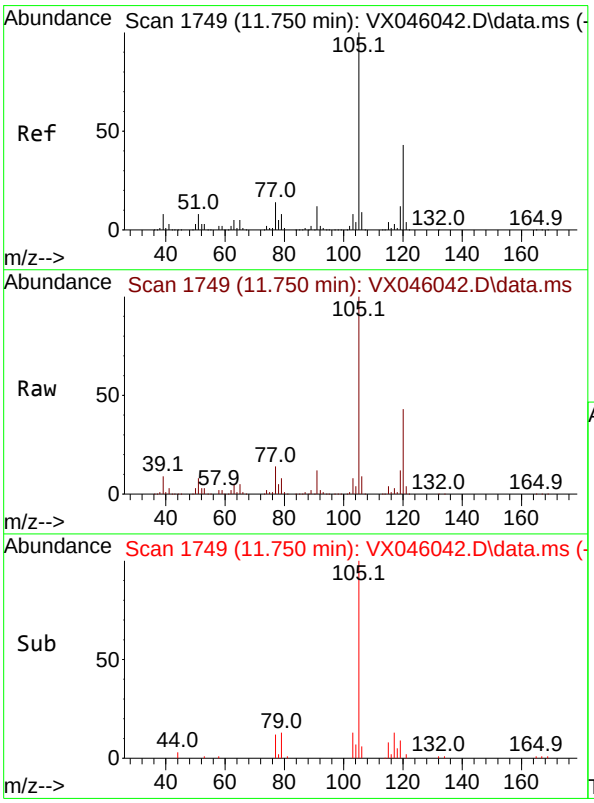
#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

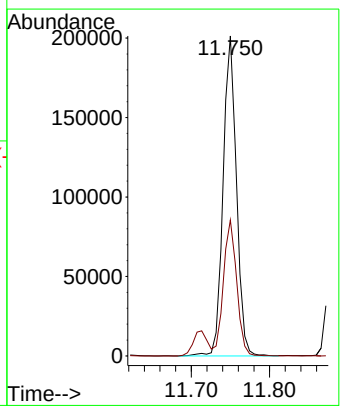


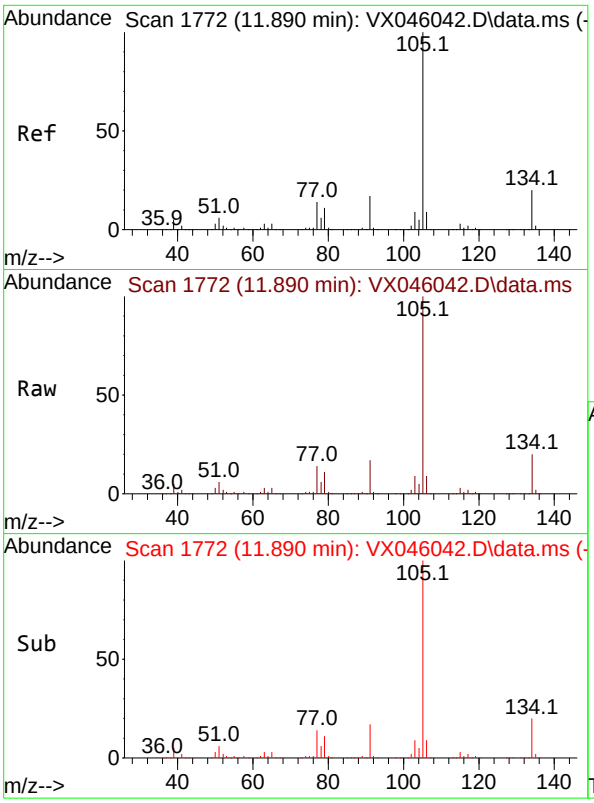


#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6



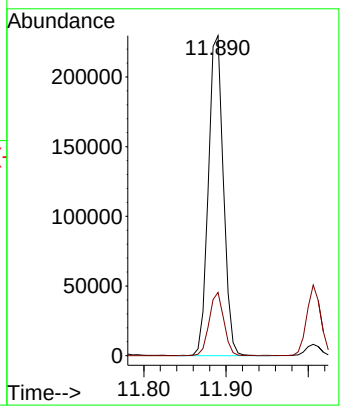


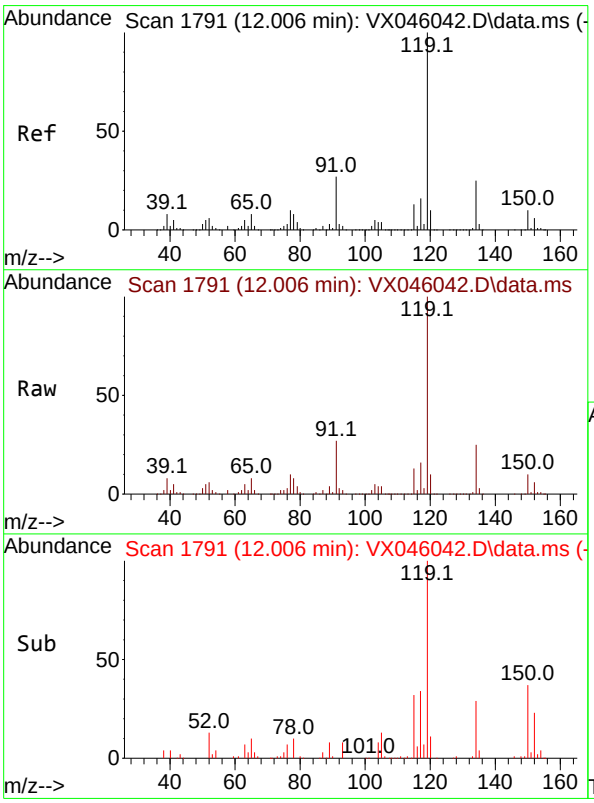
#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 291074

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

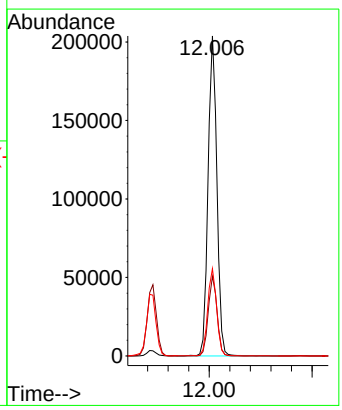


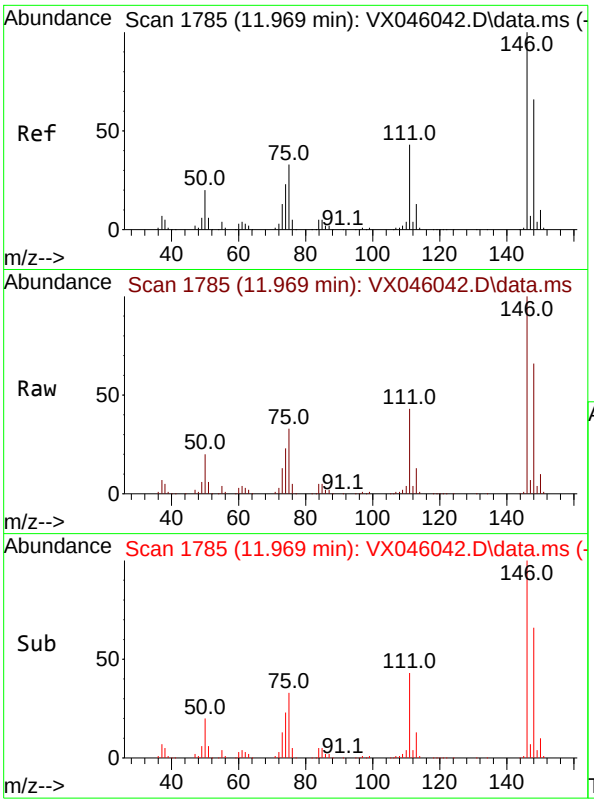


#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



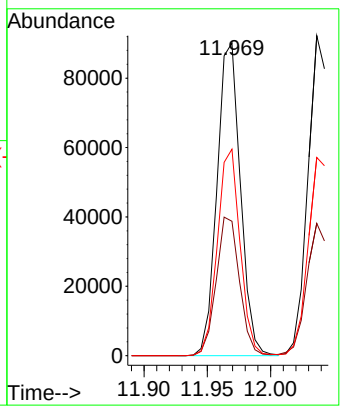


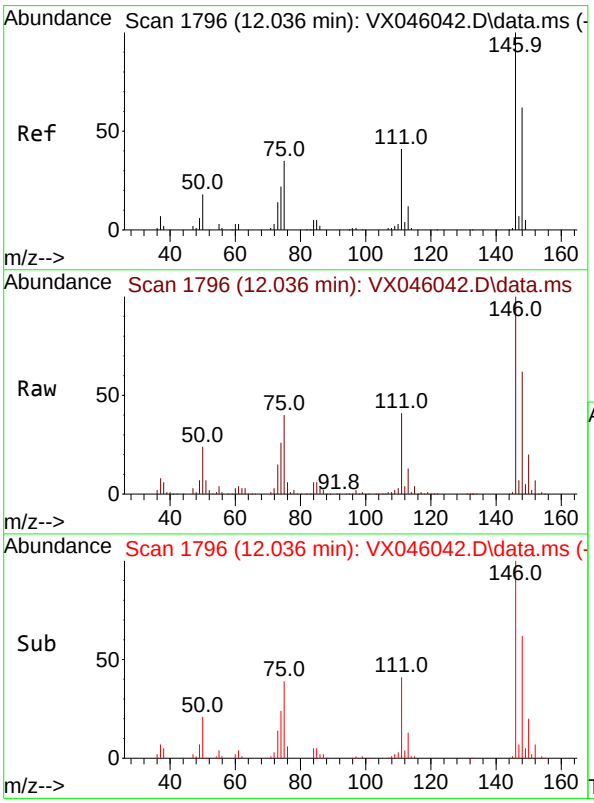
#87
1,3-Dichlorobenzene
Concen: 36.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

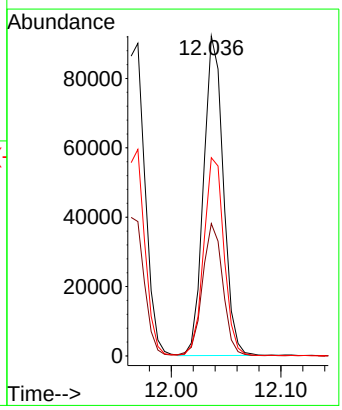


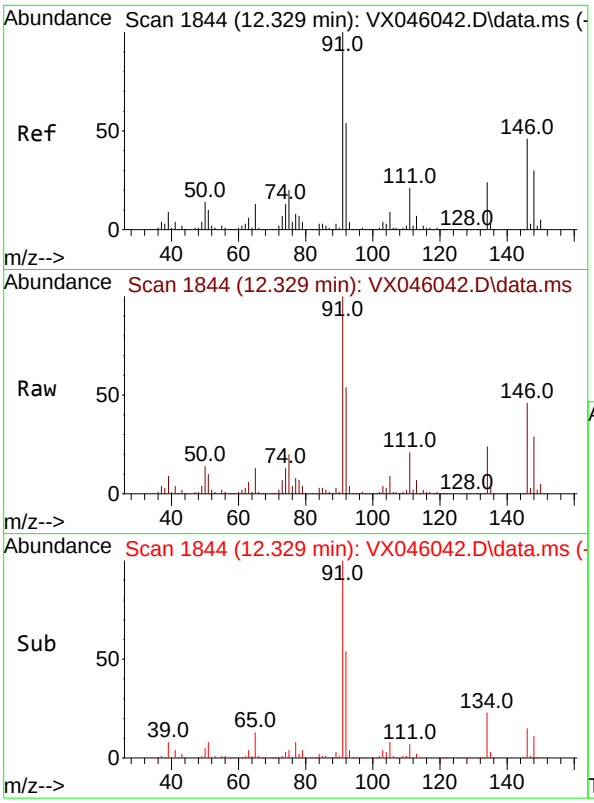


#88
1,4-Dichlorobenzene
Concen: 36.763 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



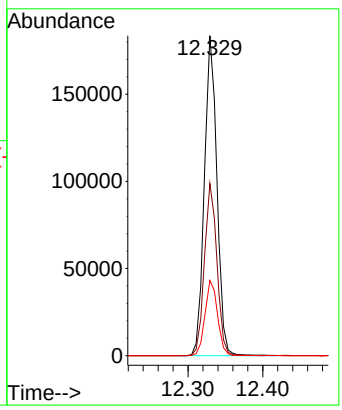


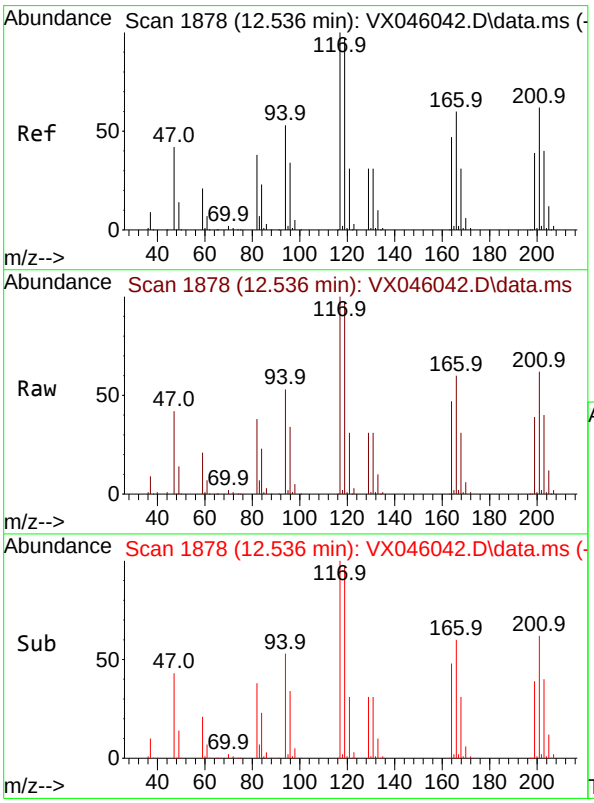
#89
n-Butylbenzene
Concen: 40.603 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

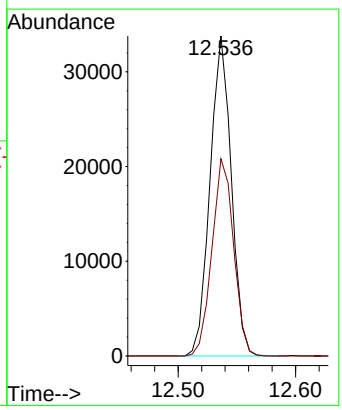


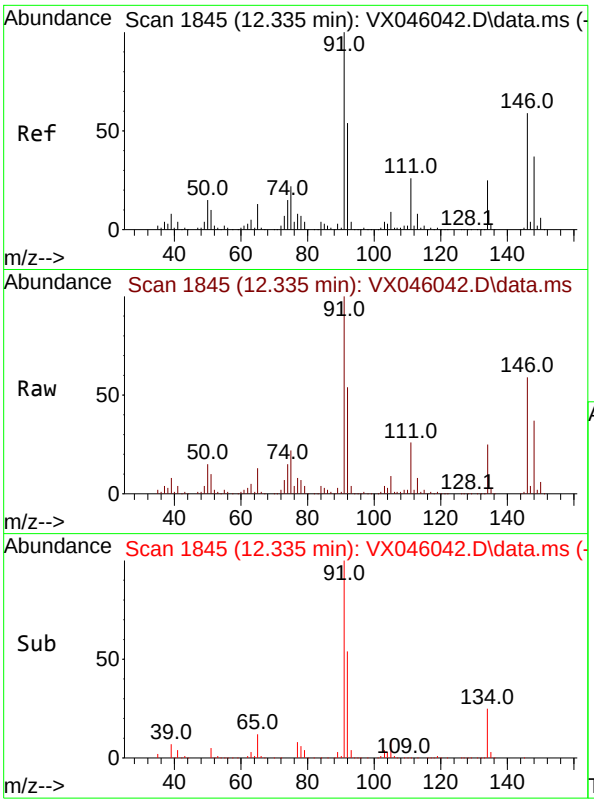


#90
Hexachloroethane
Concen: 37.534 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 42314

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7



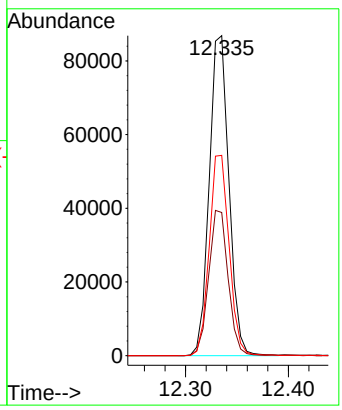


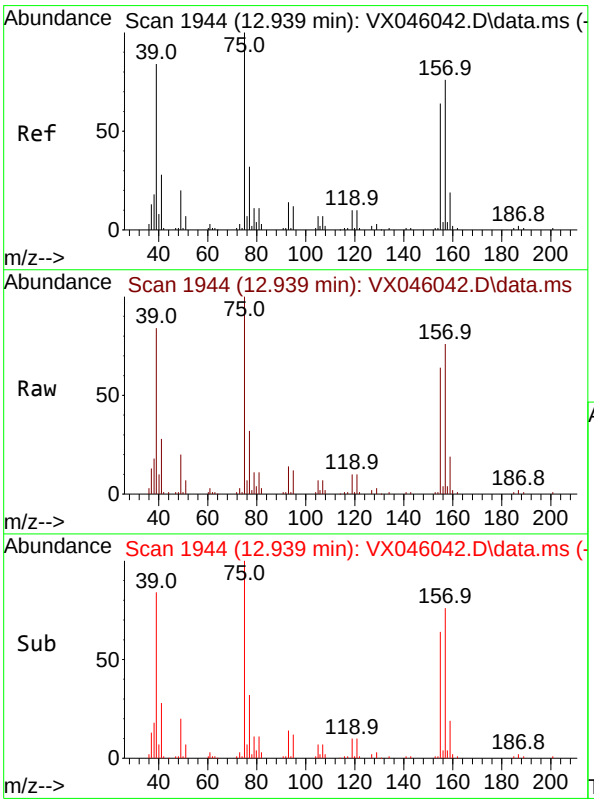
#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

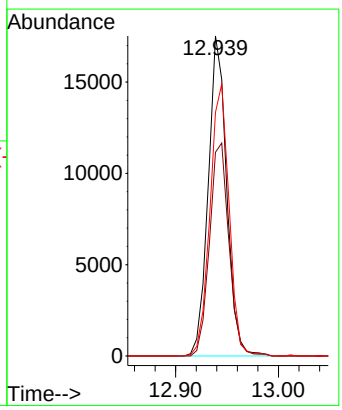


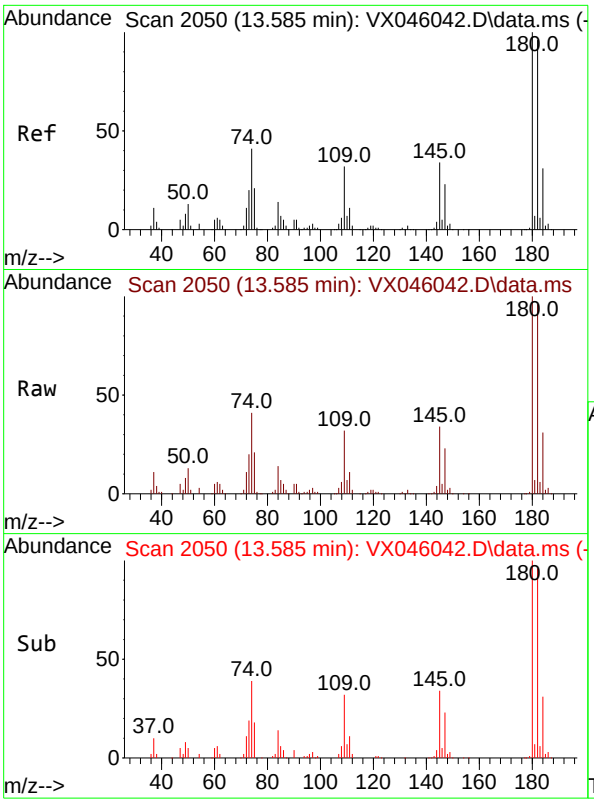


#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



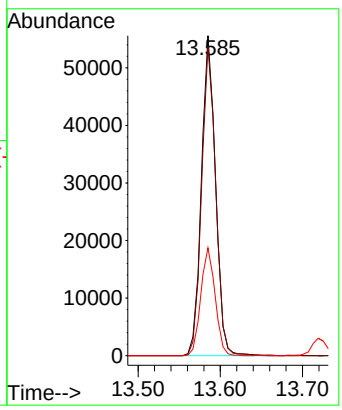


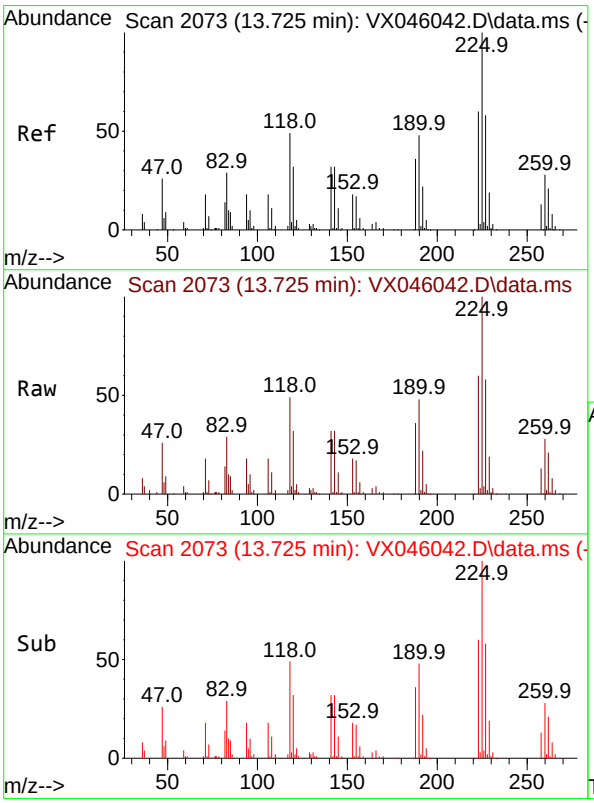
#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

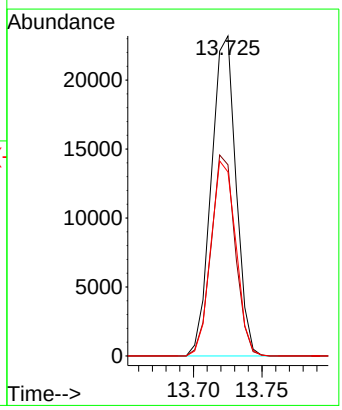


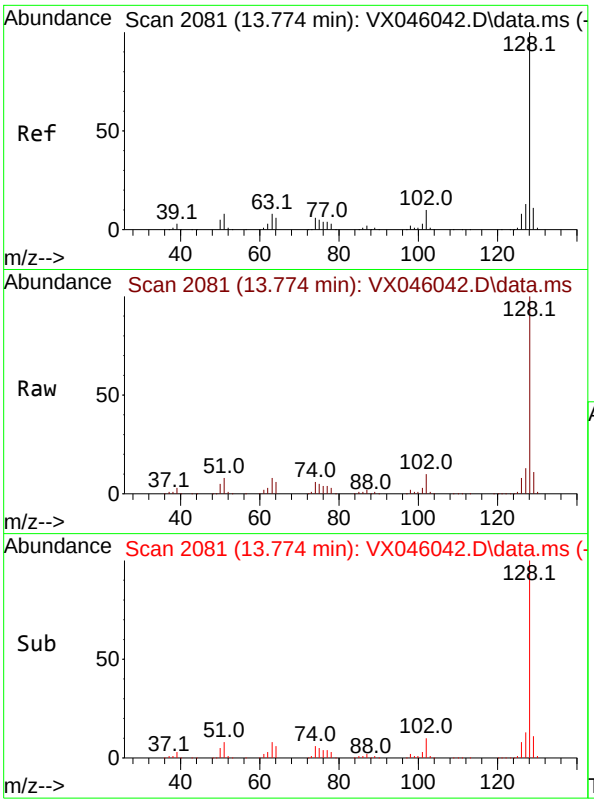


#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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



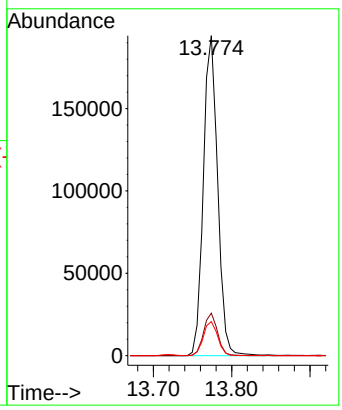


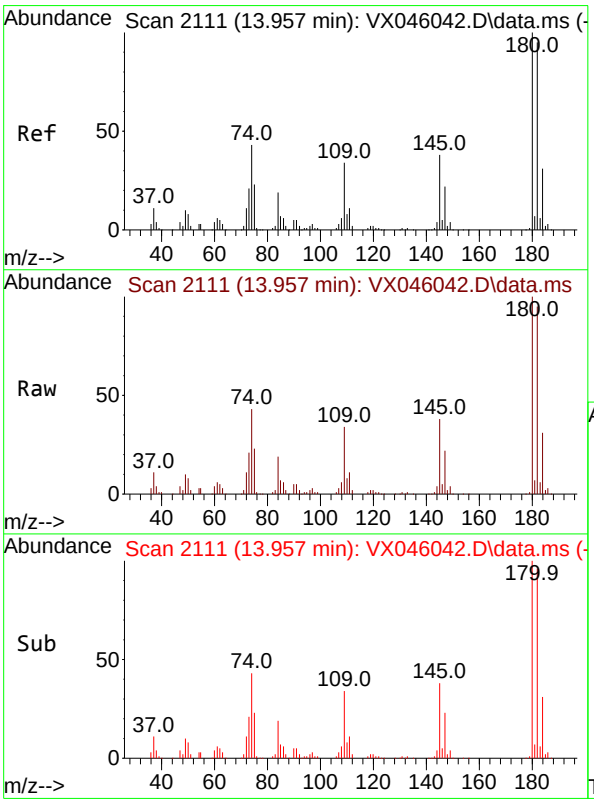
#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

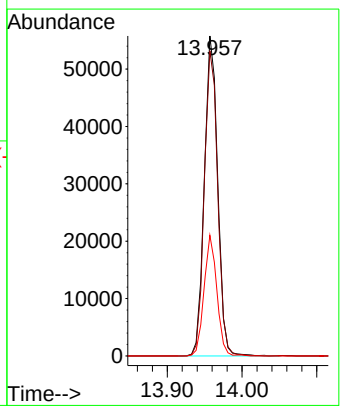




#96
1,2,3-Trichlorobenzene
Concen: 38.765 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

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

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)

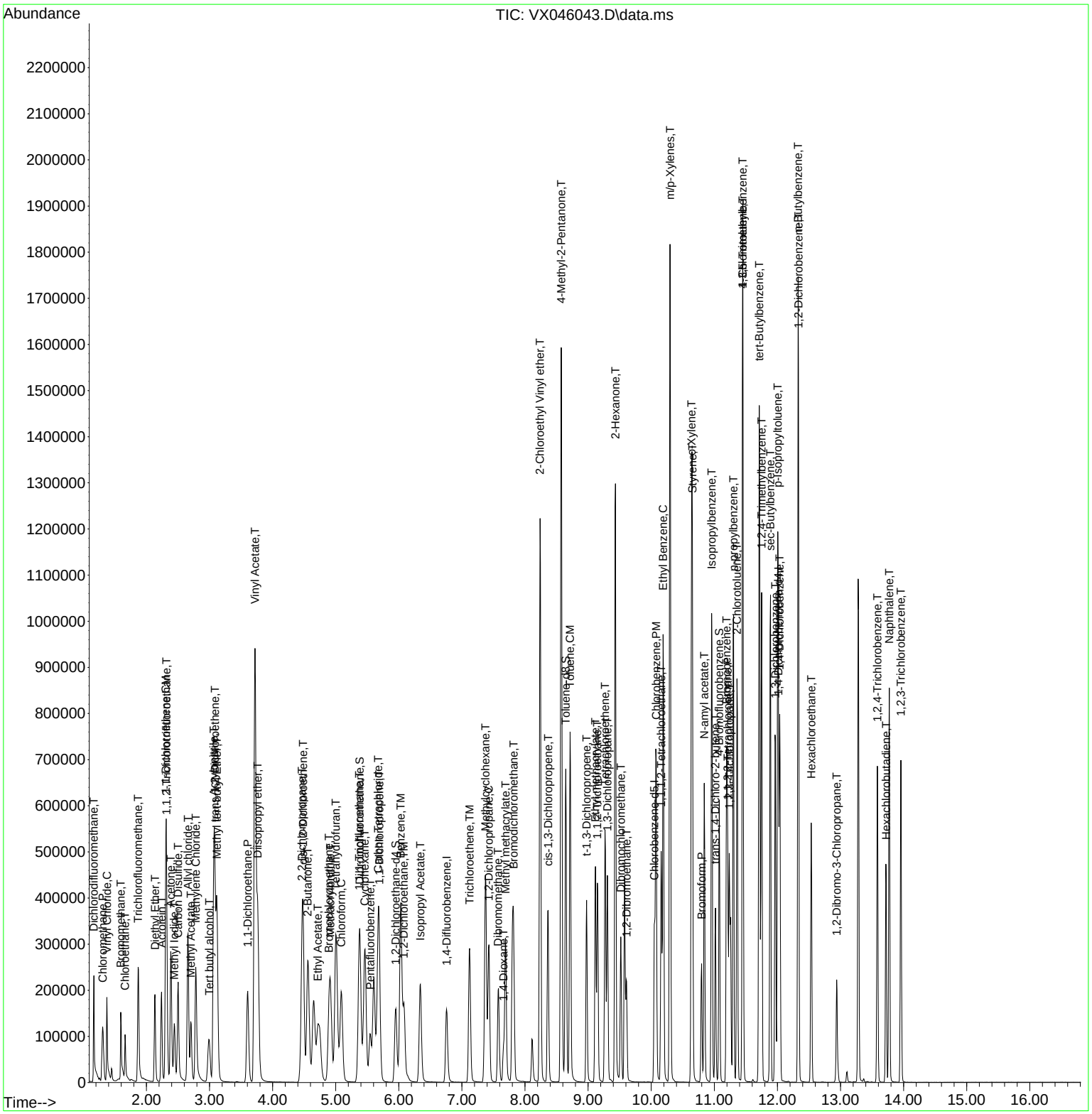
(#) = qualifier out of range (m) = manual integration (+) = signals summed

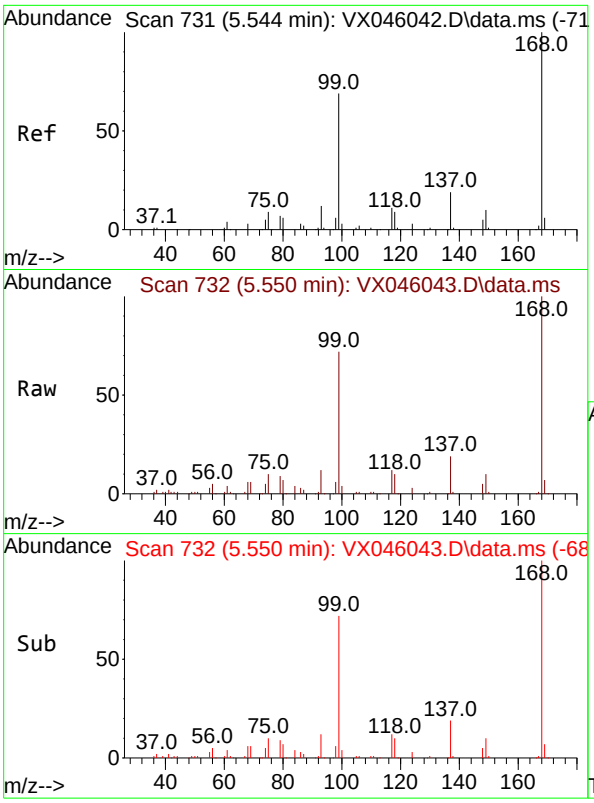
Quantitation Report (Not Reviewed)

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



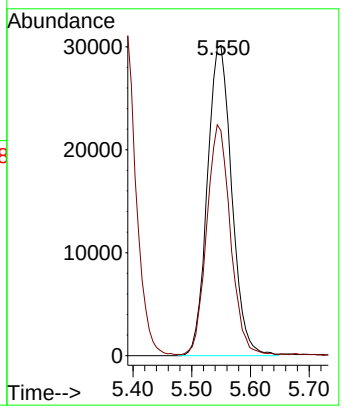


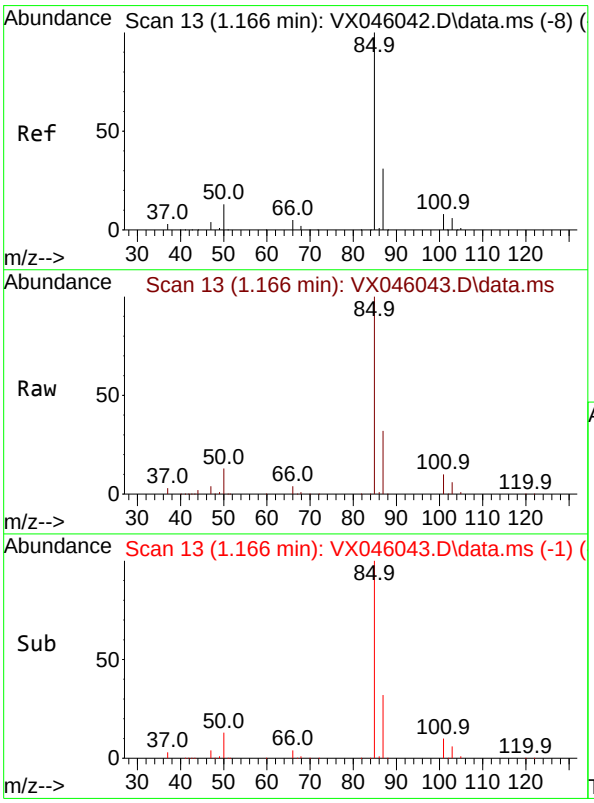
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 87028

Ion	Ratio	Lower	Upper
168	100		
99	72.1	54.9	82.3

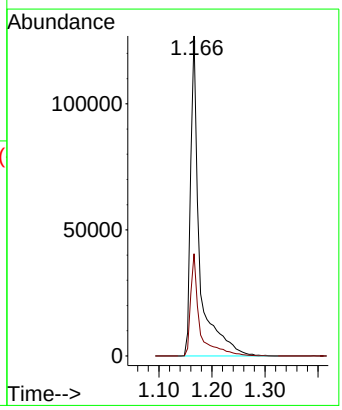


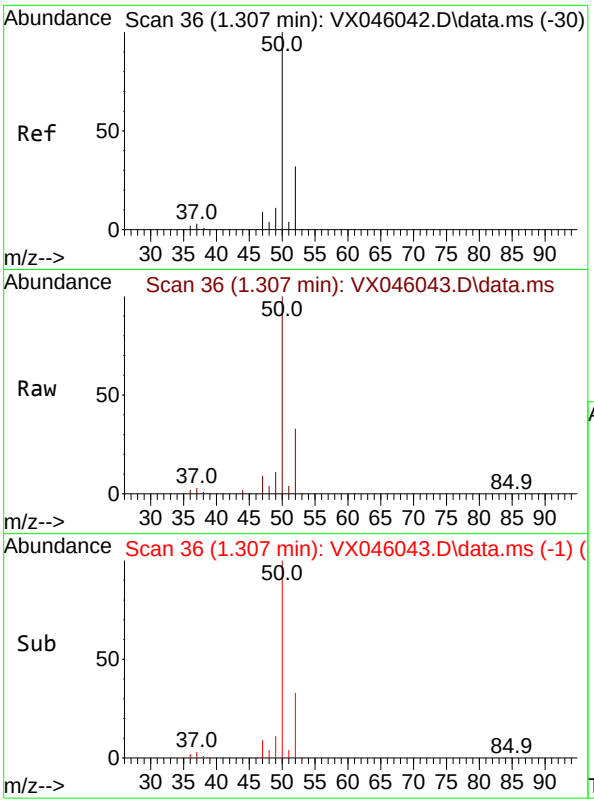


#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 85 Resp: 149508

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.1



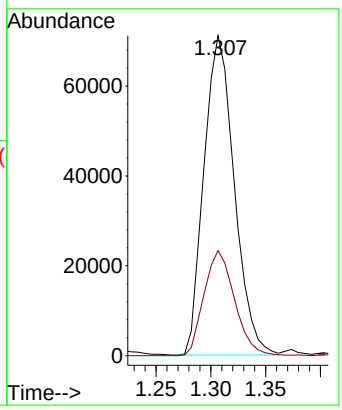


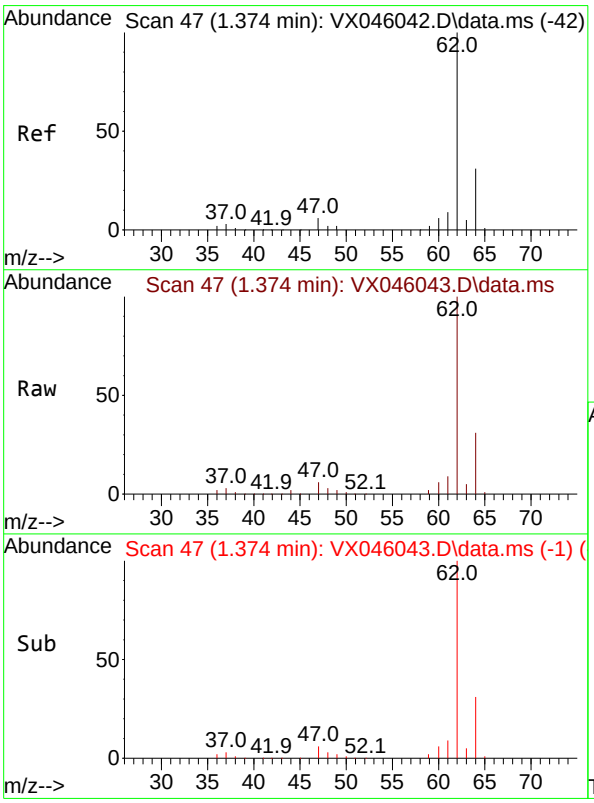
#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 136937

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.4	38.2

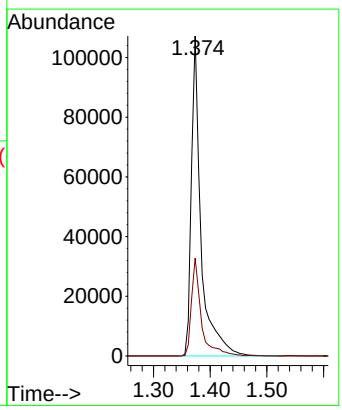


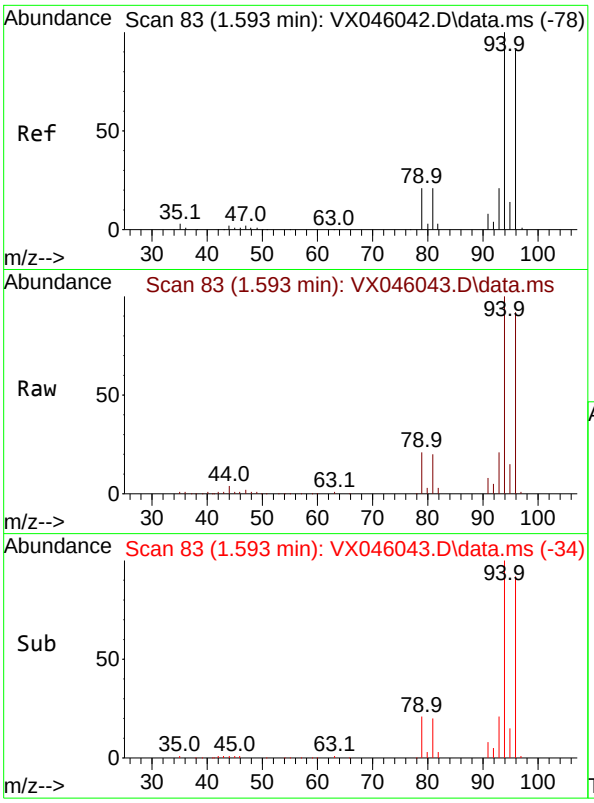


#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 126609

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.2	37.8



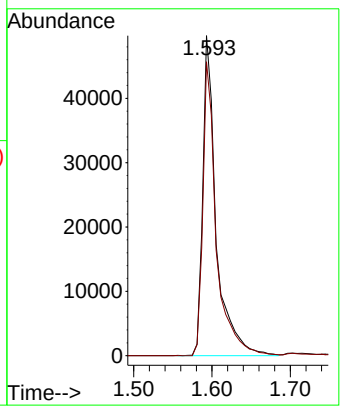


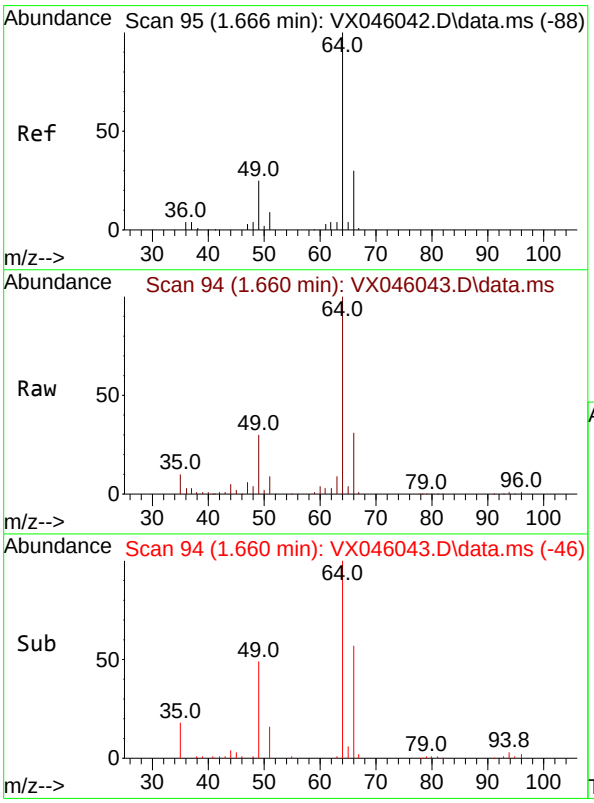
#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 59246

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.8	109.2

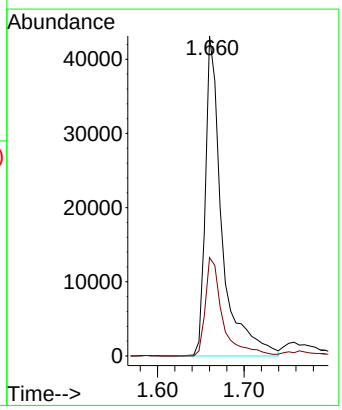


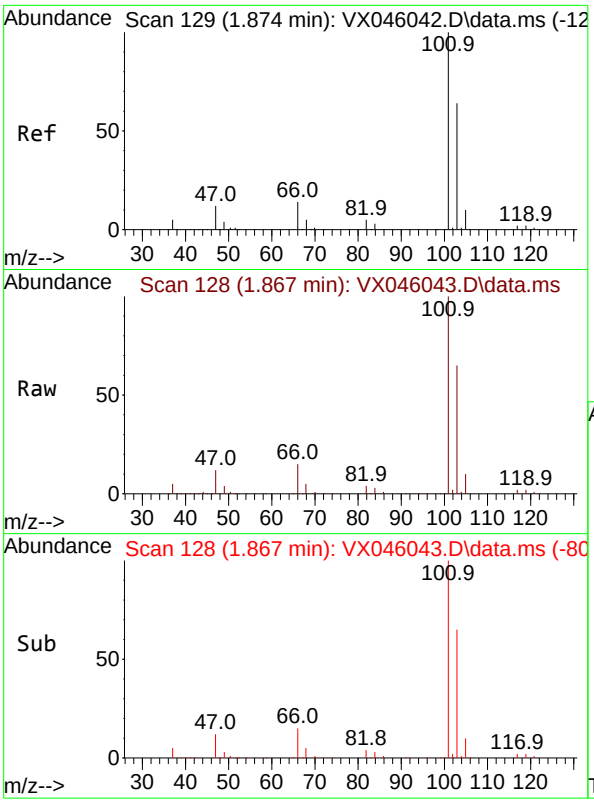


#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 64 Resp: 57332

Ion	Ratio	Lower	Upper
64	100		
66	30.8	24.3	36.5



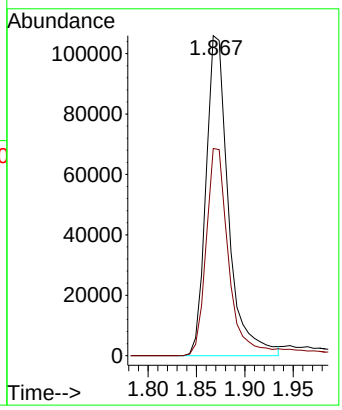


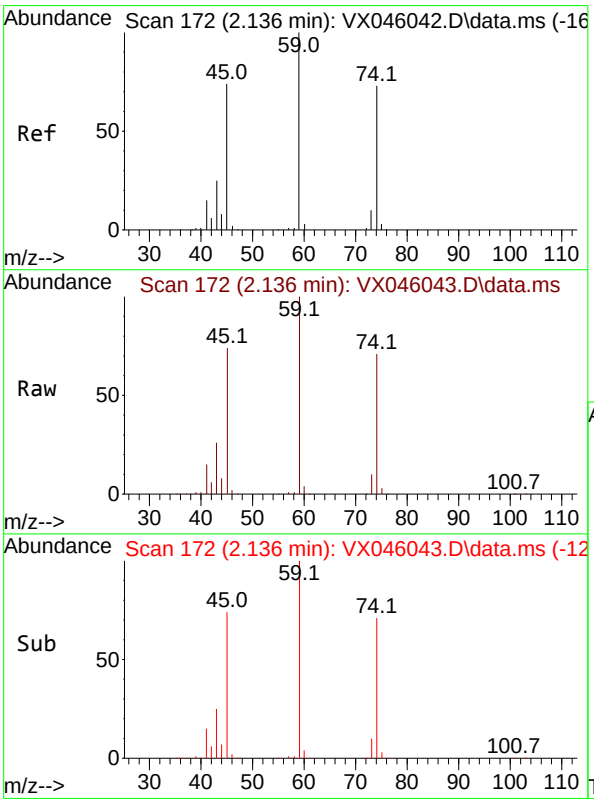
#7
Trichlorofluoromethane
Concen: 67.754 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 171042

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.4

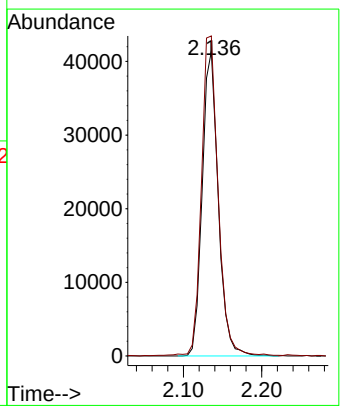


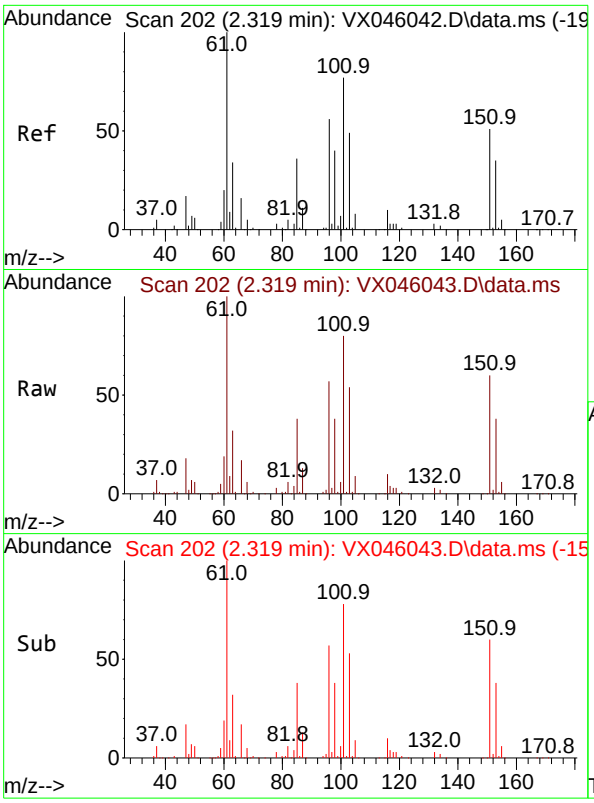


#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 74 Resp: 58762

Ion	Ratio	Lower	Upper
74	100		
45	110.1	54.9	164.8



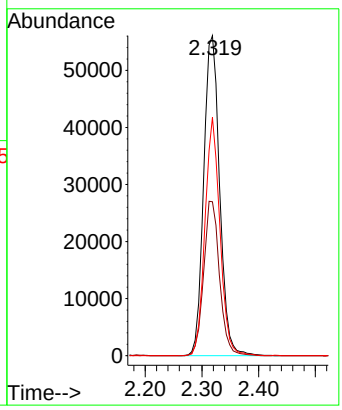


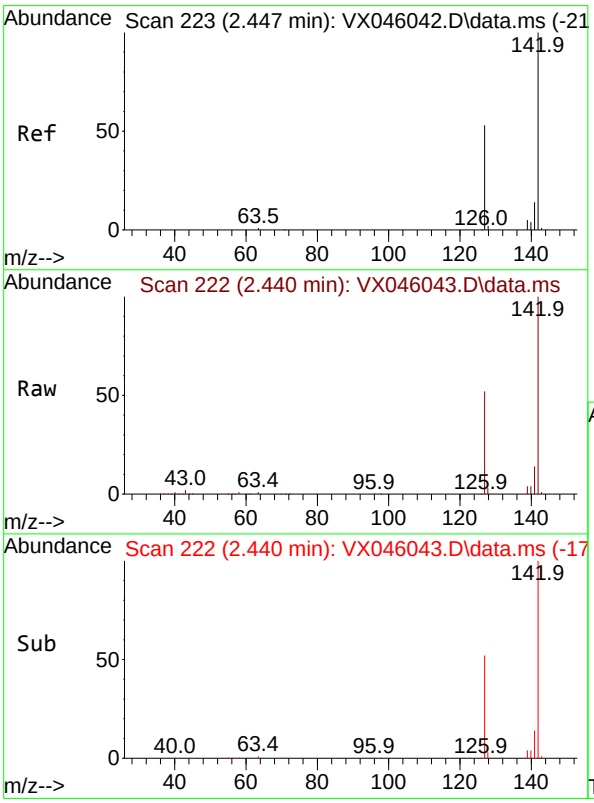
#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.604 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

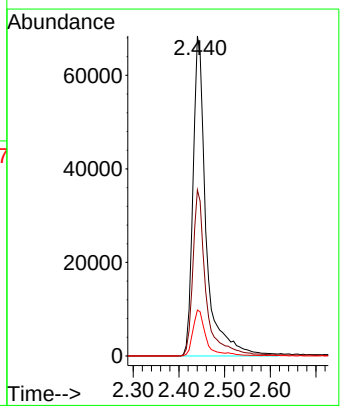


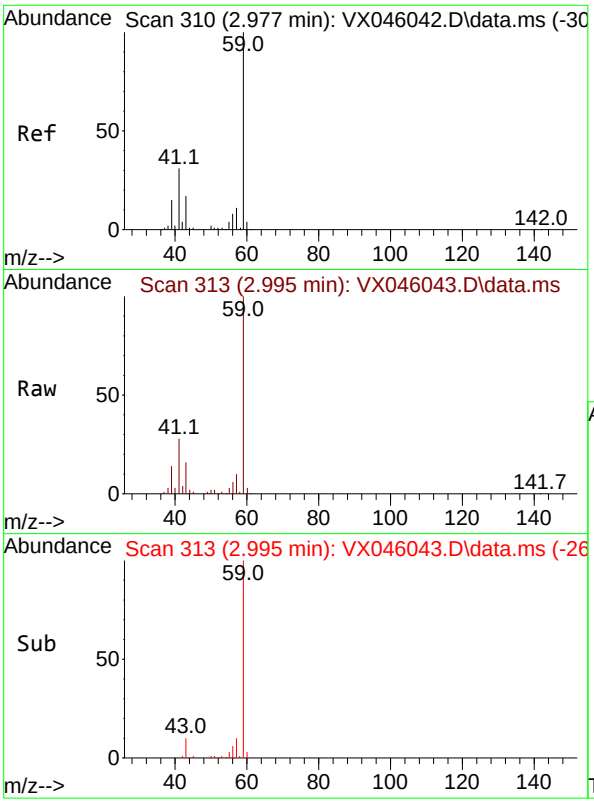


#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



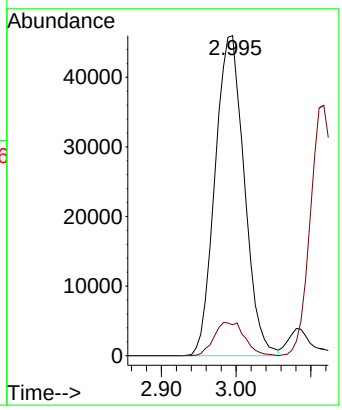


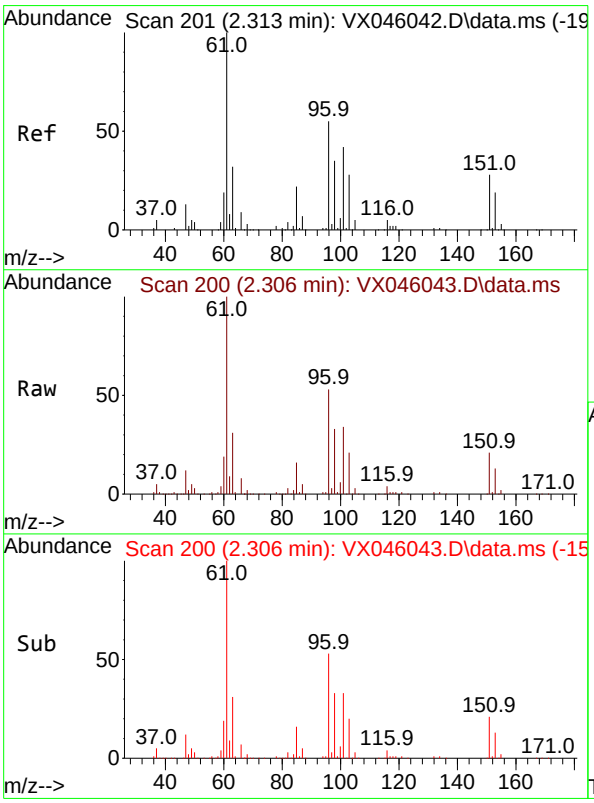
#11
Tert butyl alcohol
Concen: 405.394 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 125094

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

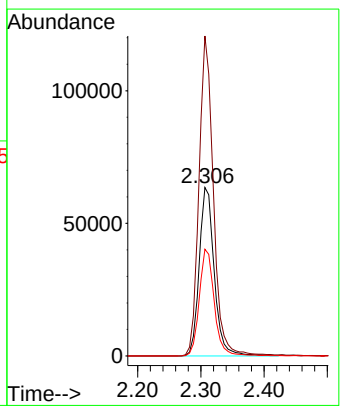


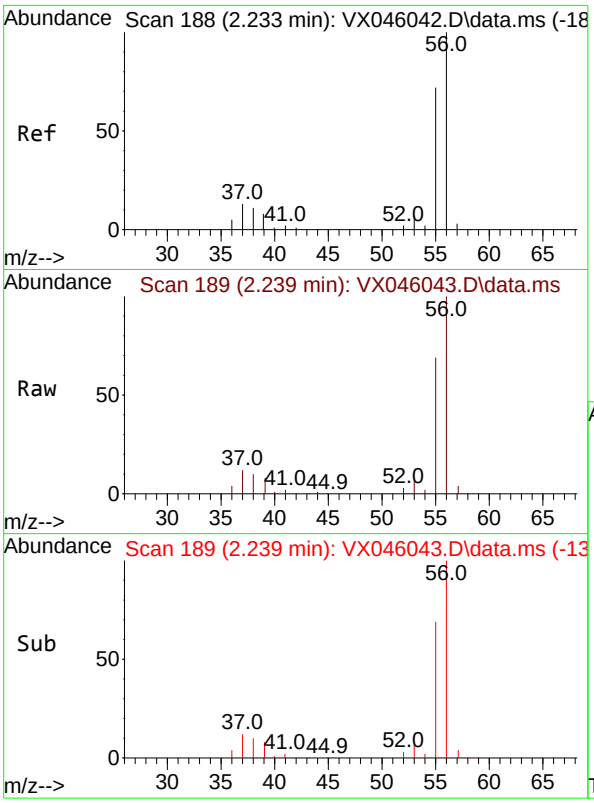


#12
1,1-Dichloroethene
Concen: 71.884 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



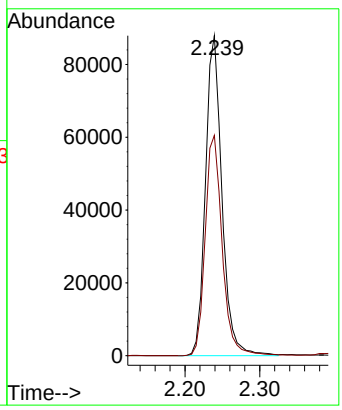


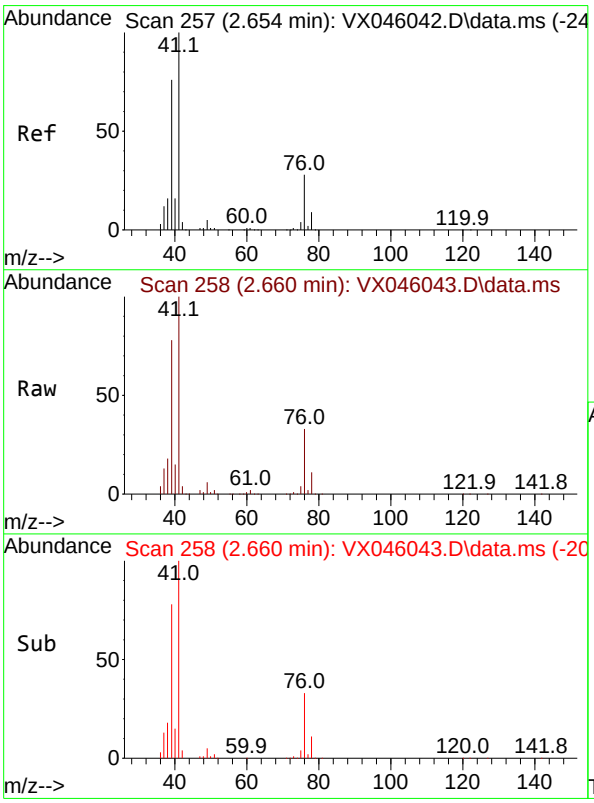
#13
Acrolein
Concen: 375.132 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 134456

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.4

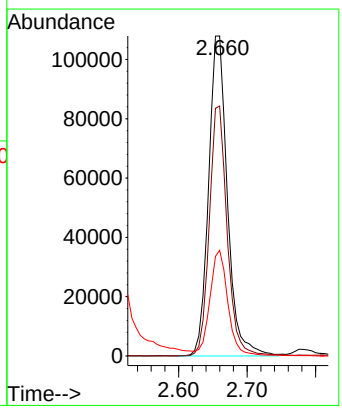


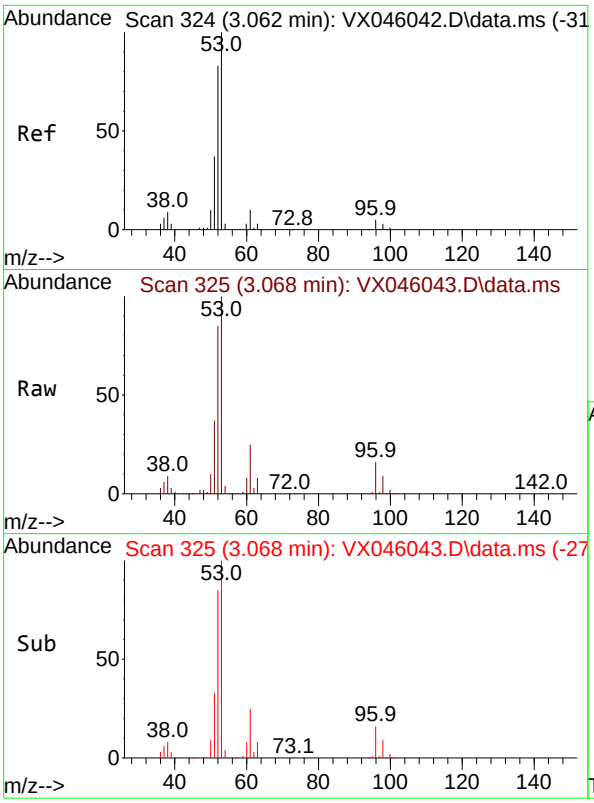


#14
Allyl chloride
Concen: 74.419 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



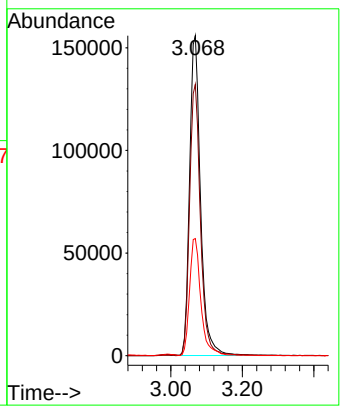


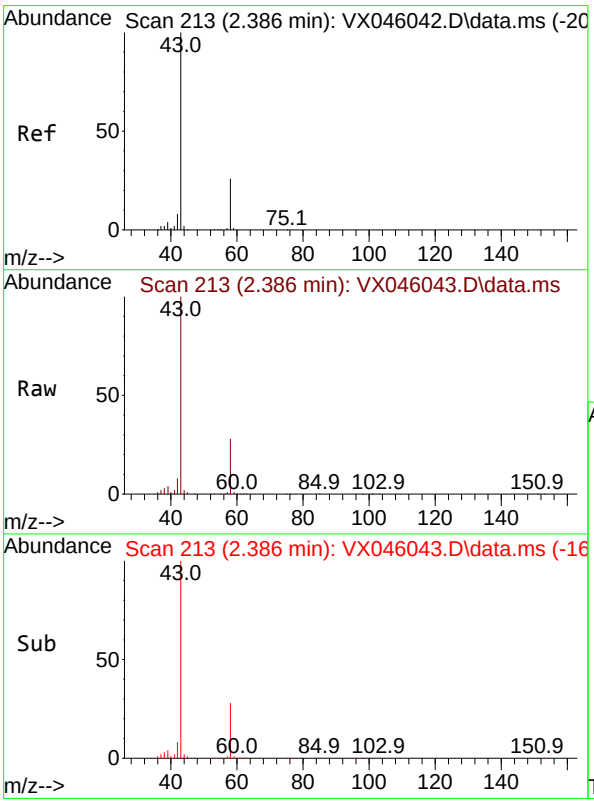
#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

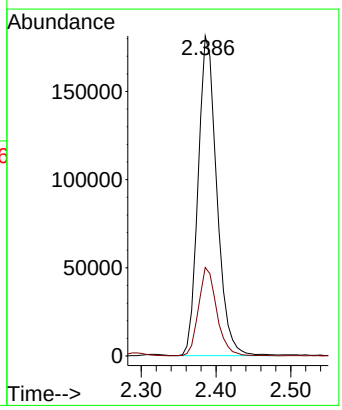


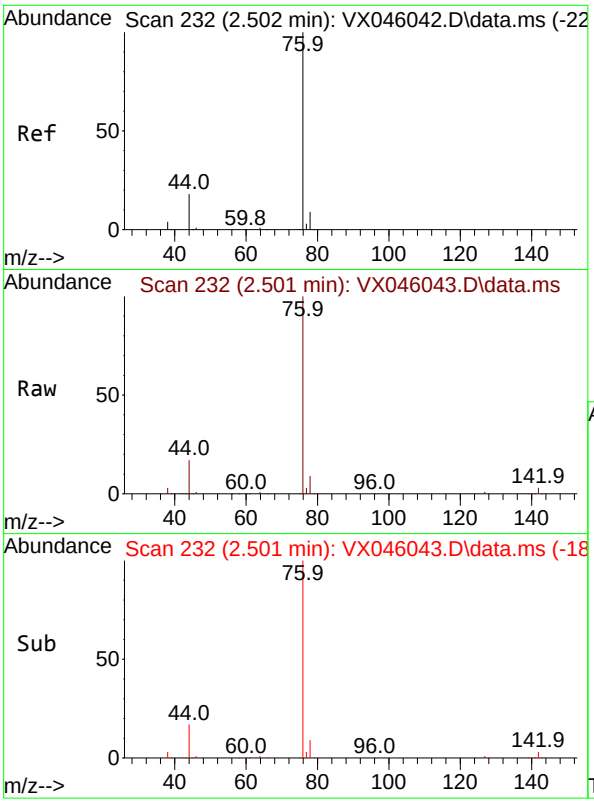


#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8



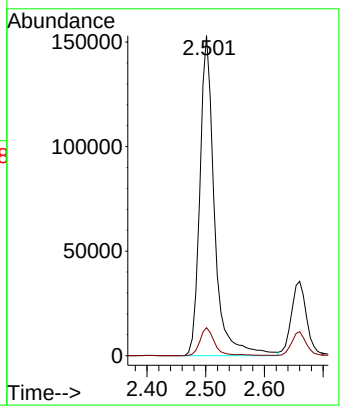


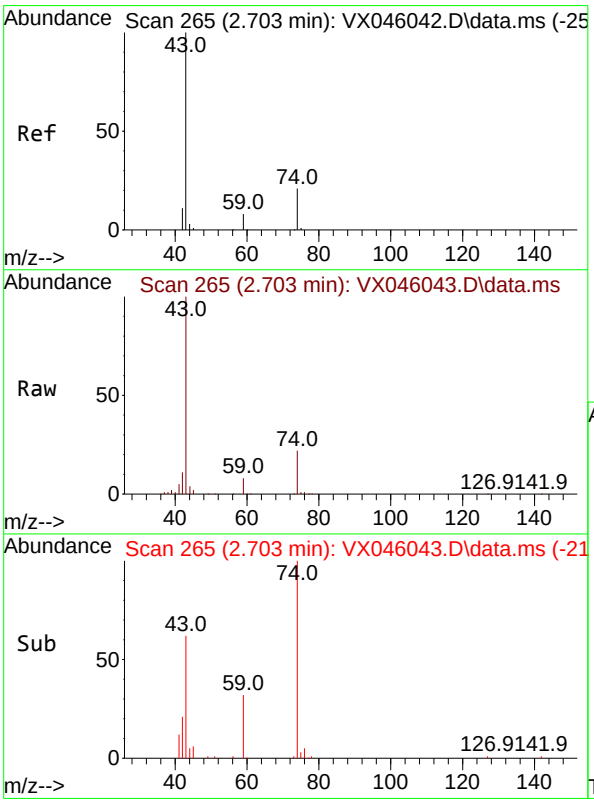
#17
Carbon Disulfide
Concen: 77.867 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 264956

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

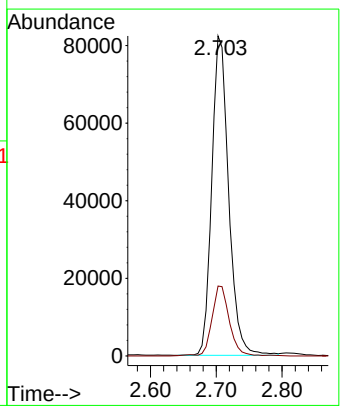


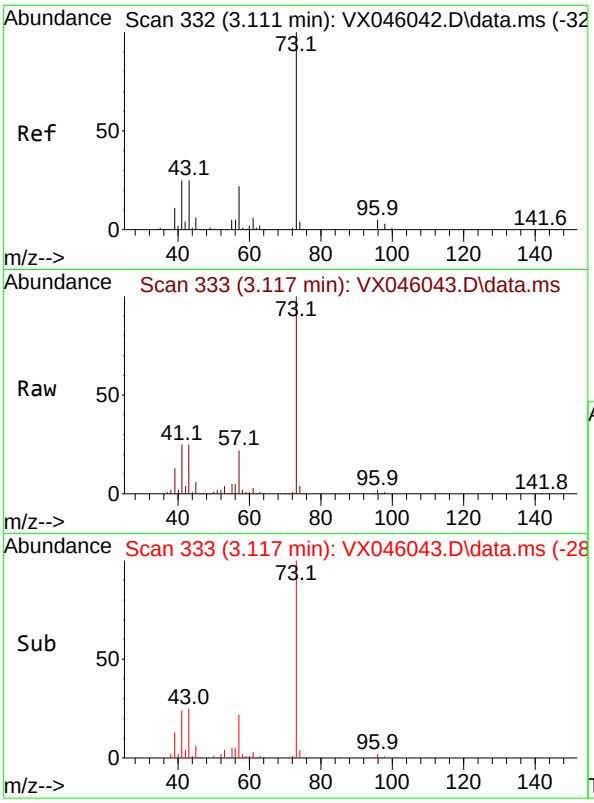


#18
Methyl Acetate
Concen: 69.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 147014

Ion	Ratio	Lower	Upper
43	100		
74	22.6	16.7	25.1



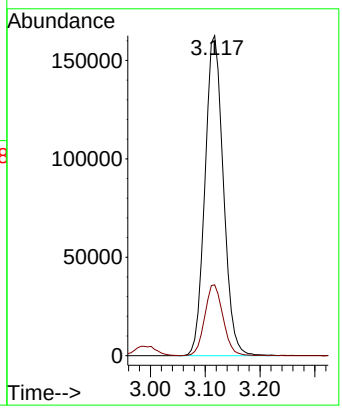


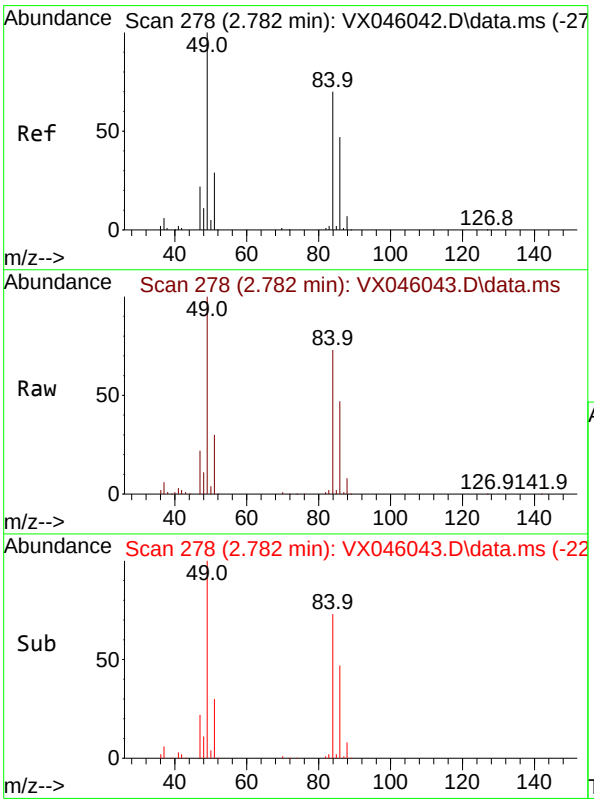
#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 378113

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

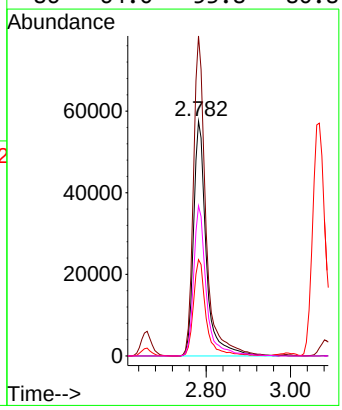


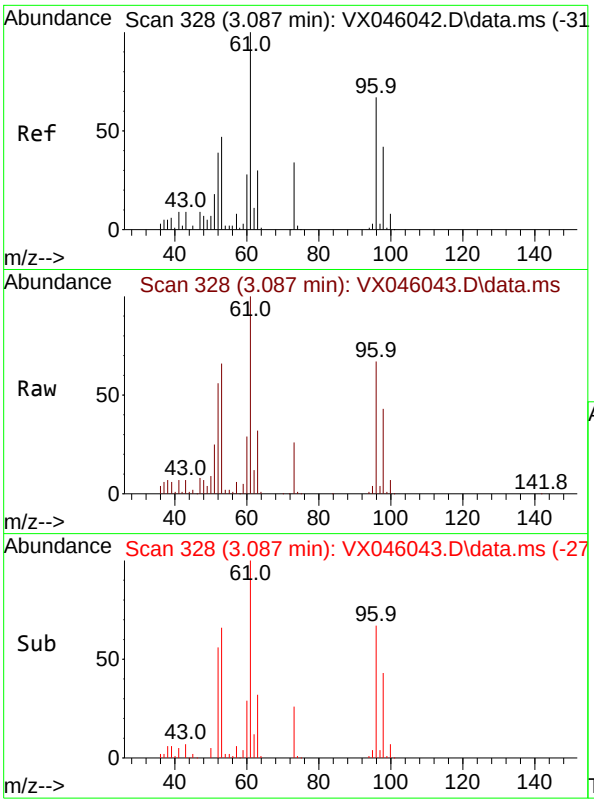


#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



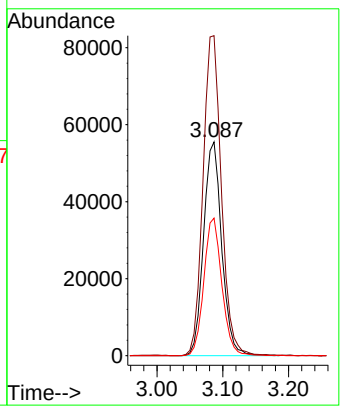


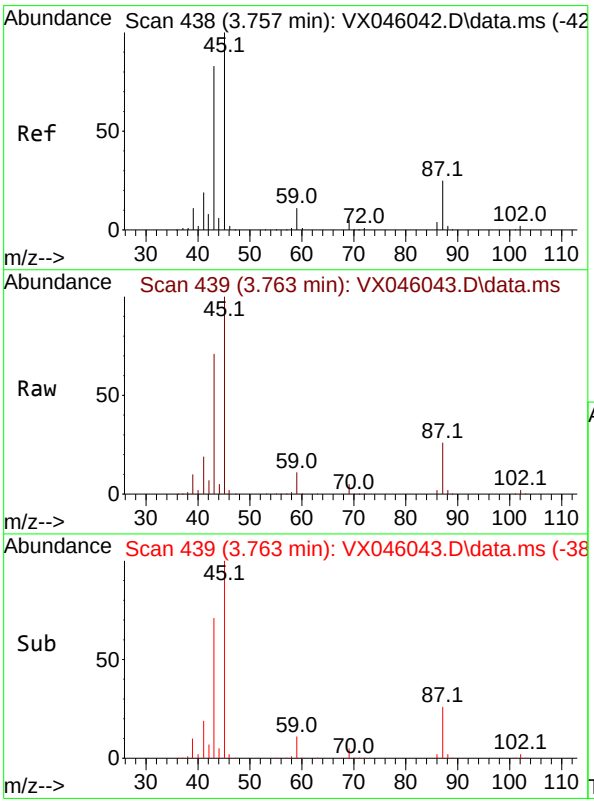
#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

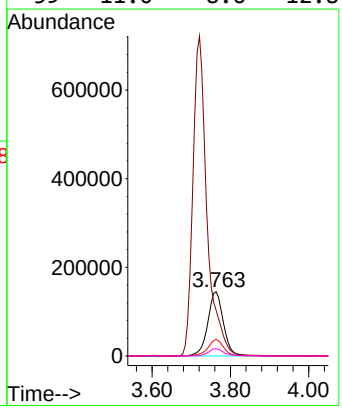


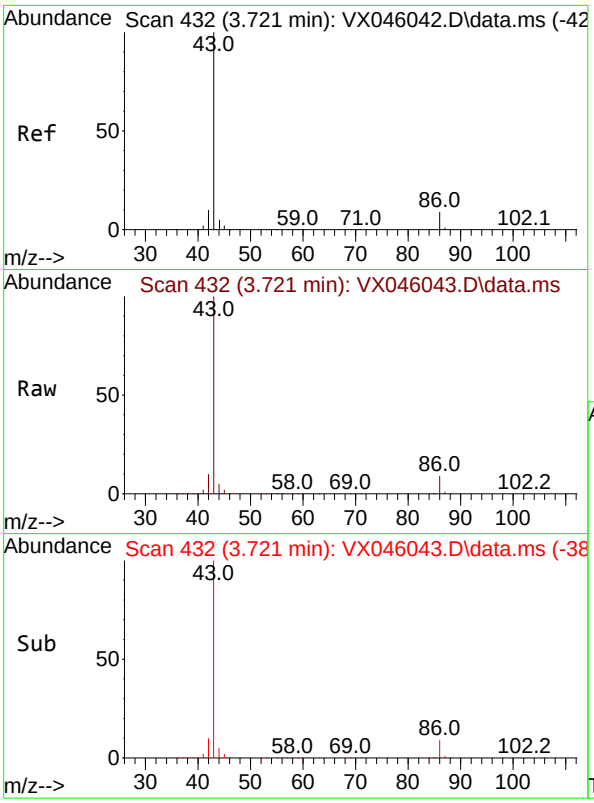


#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



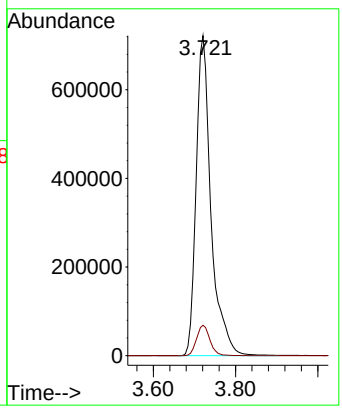


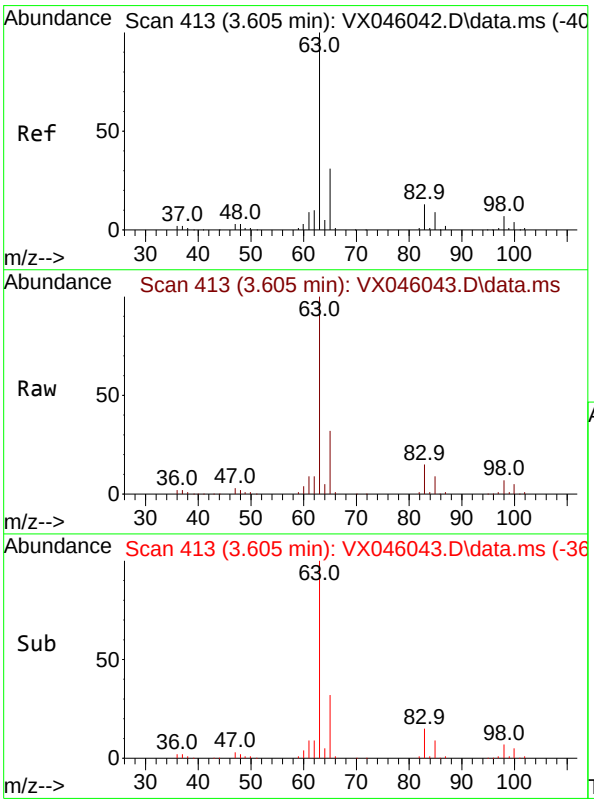
#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1811550

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

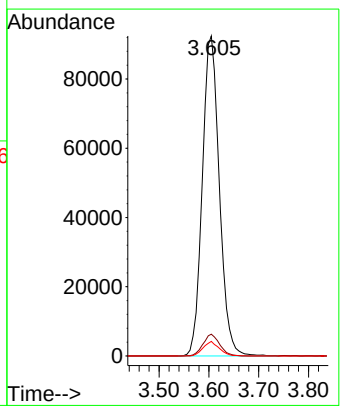


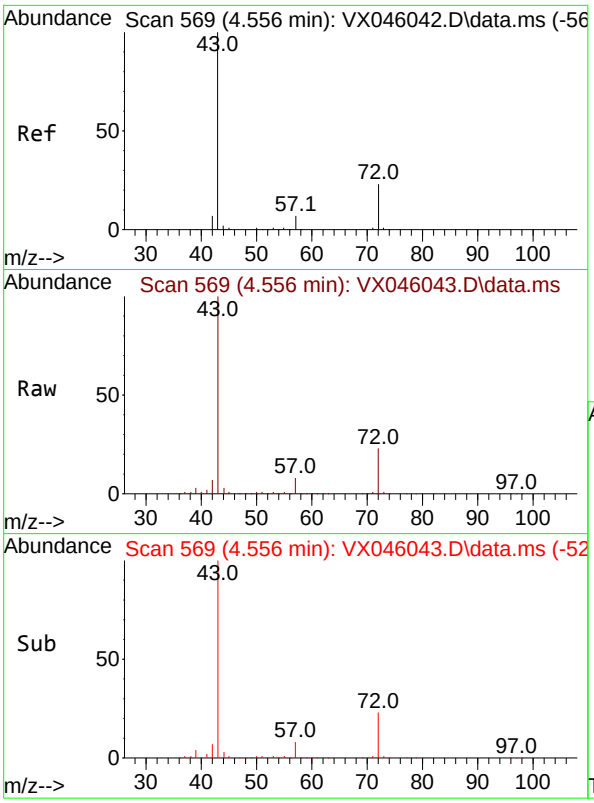


#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



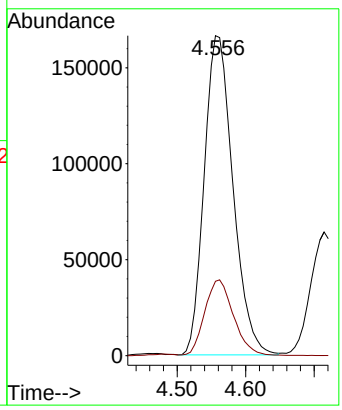


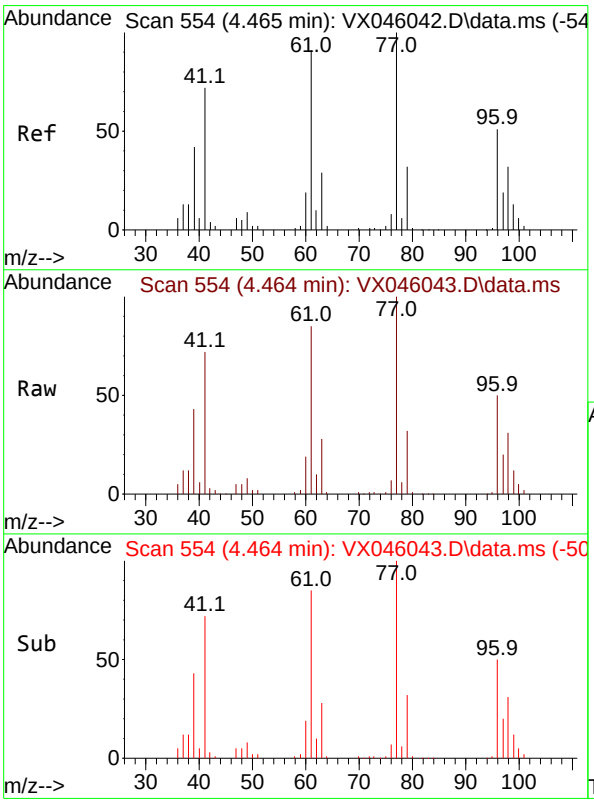
#25
2-Butanone
Concen: 379.704 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 485448

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6

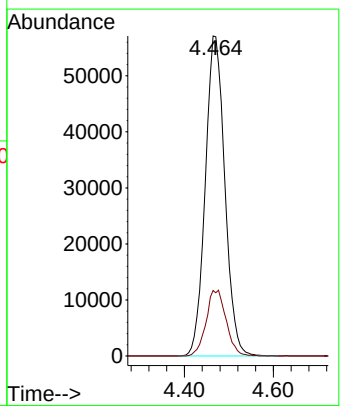


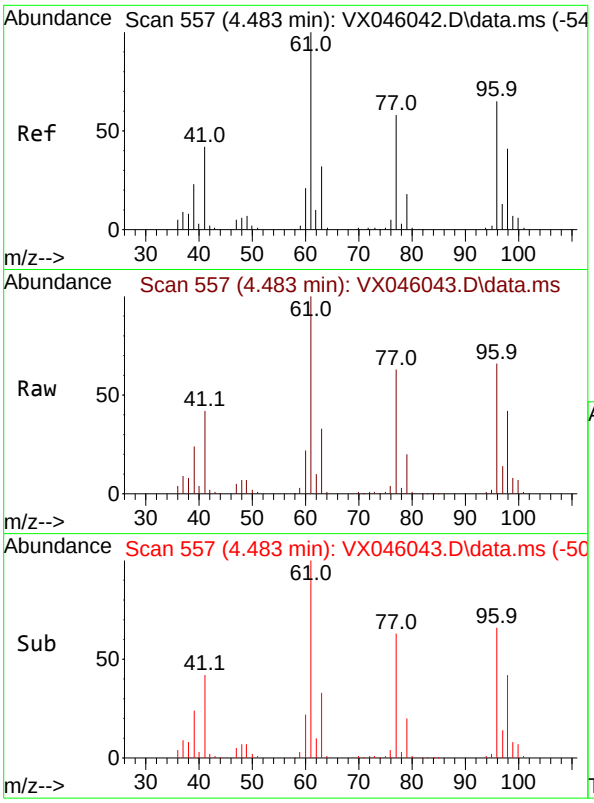


#26
2,2-Dichloropropane
Concen: 75.621 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 77 Resp: 174579

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5



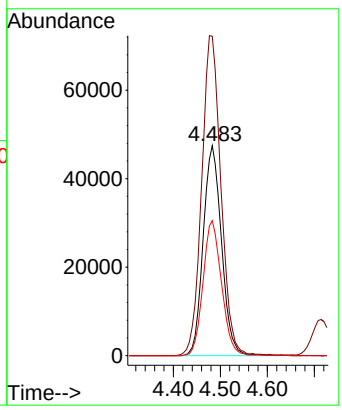


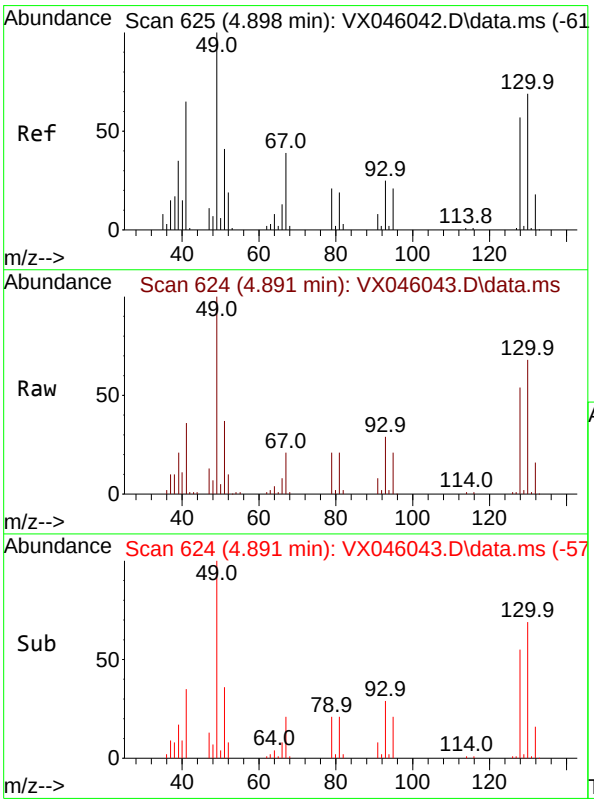
#27
cis-1,2-Dichloroethene
Concen: 71.056 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

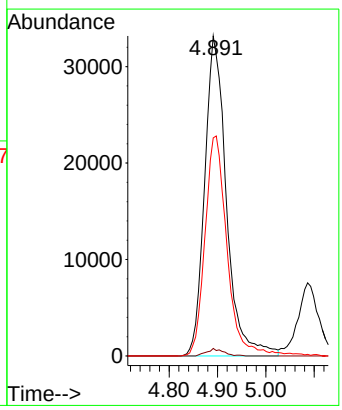


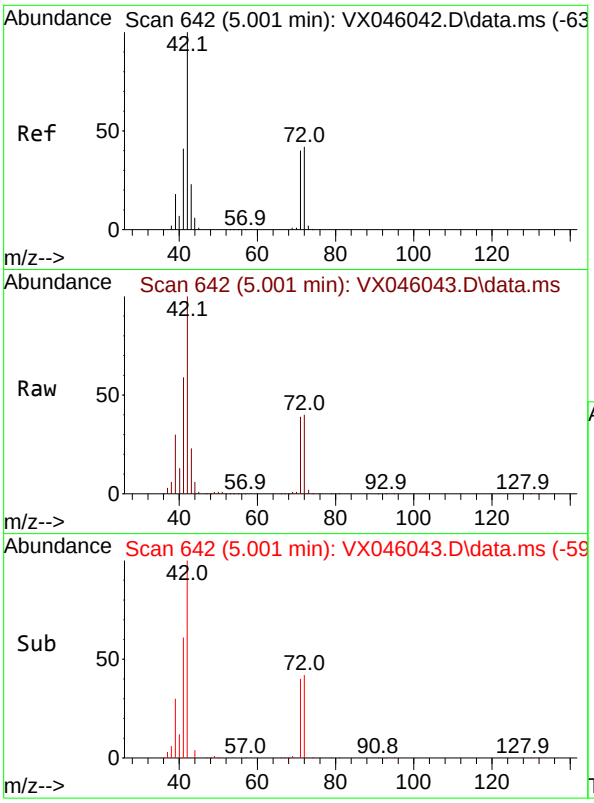


#28
Bromochloromethane
Concen: 63.932 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



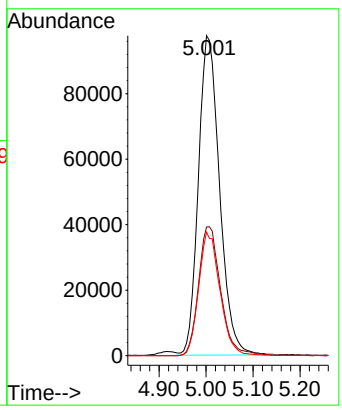


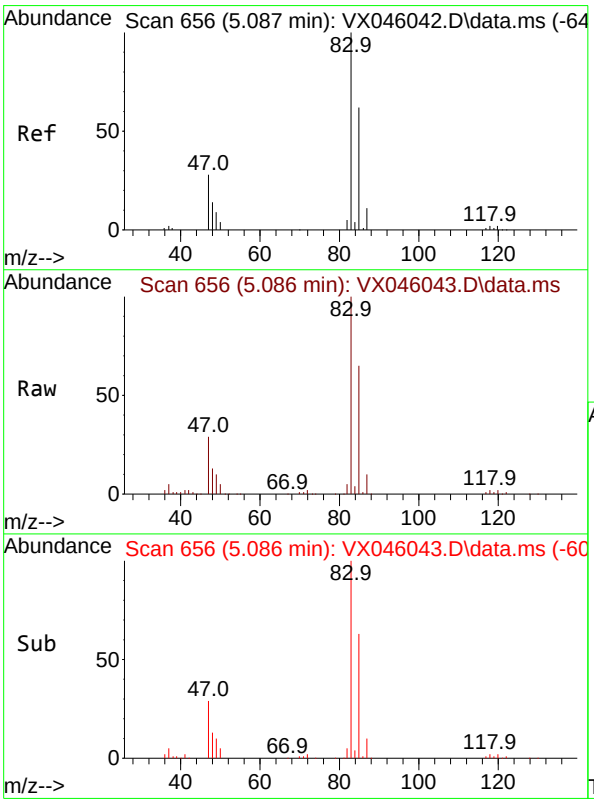
#29
Tetrahydrofuran
Concen: 368.234 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

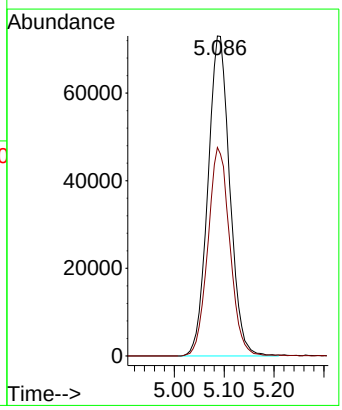


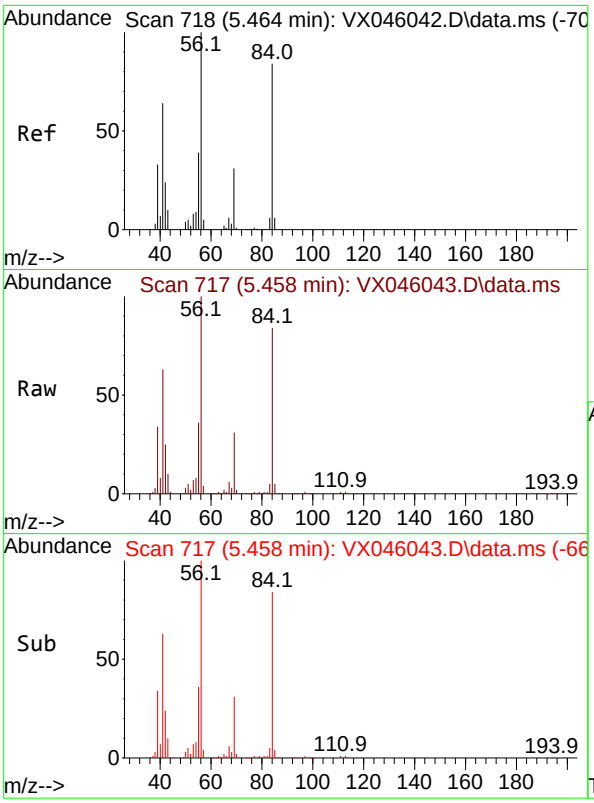


#30
Chloroform
Concen: 70.180 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 222253

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9



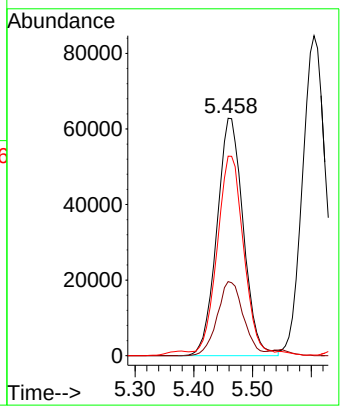


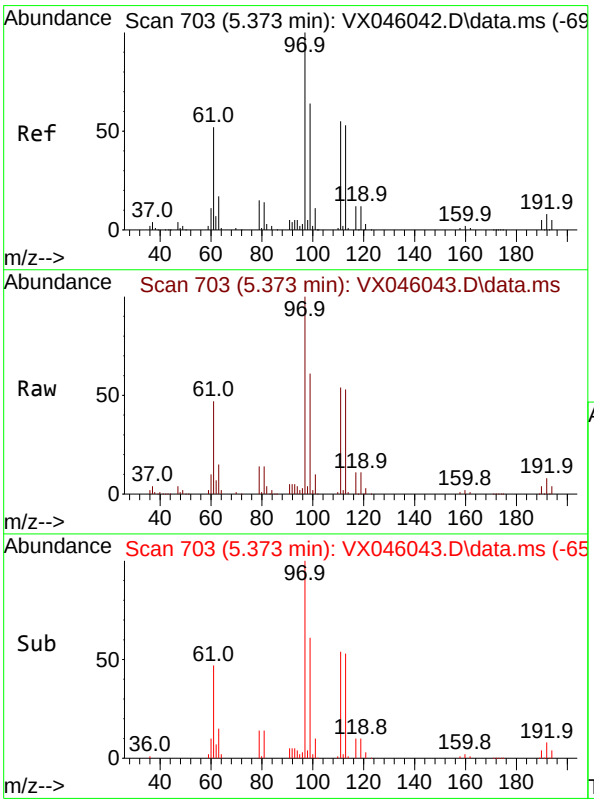
#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

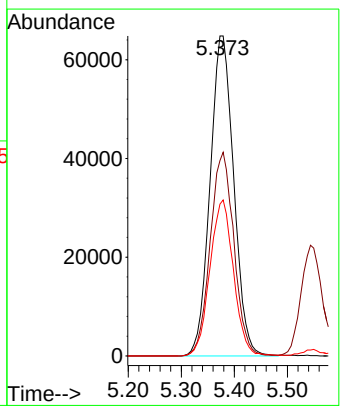


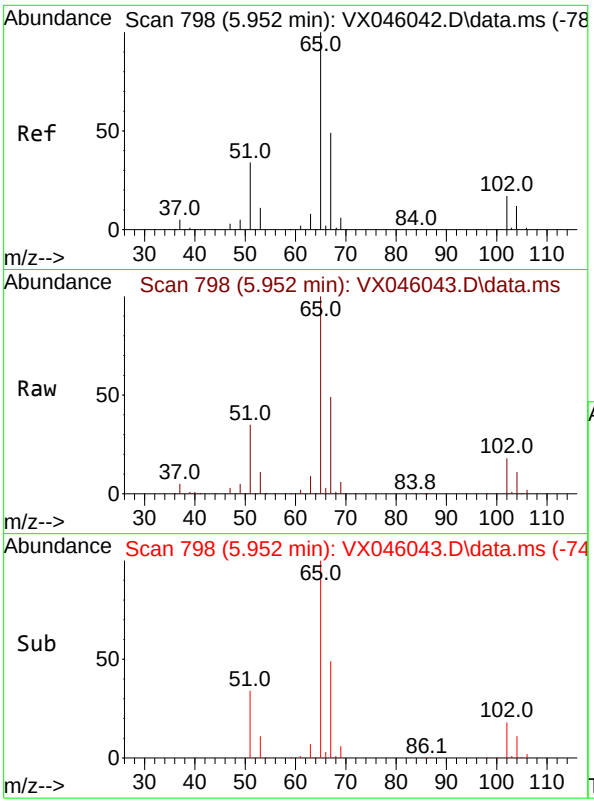


#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



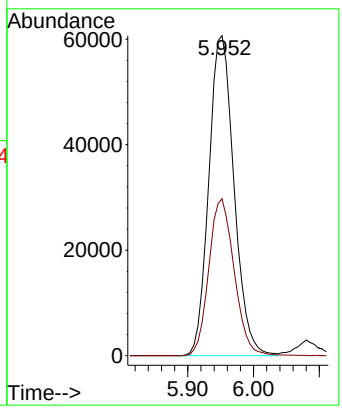


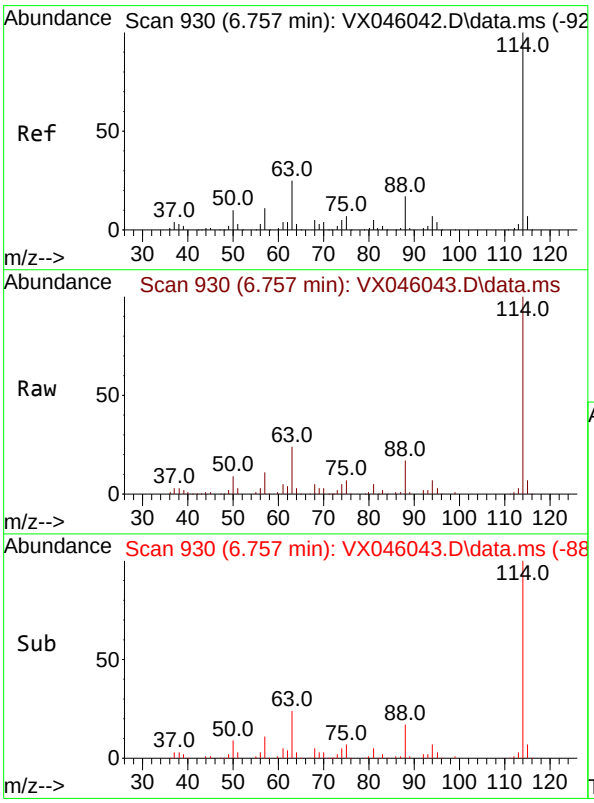
#33
1,2-Dichloroethane-d4
Concen: 62.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 161877

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

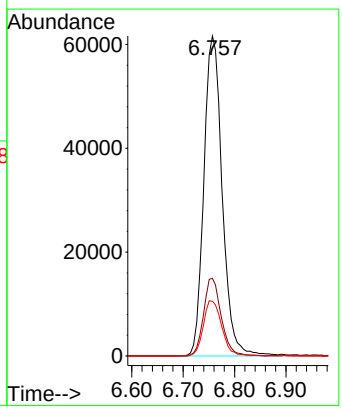


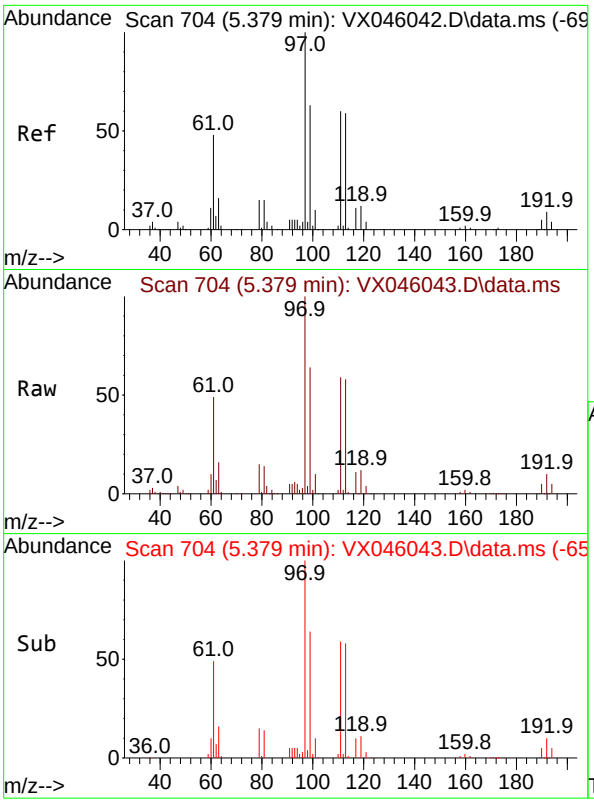


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



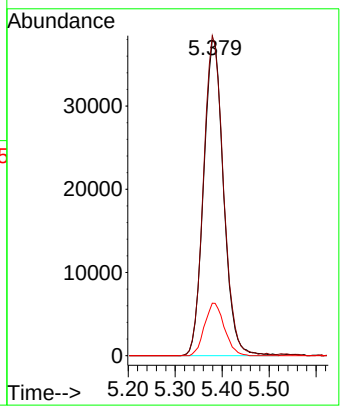


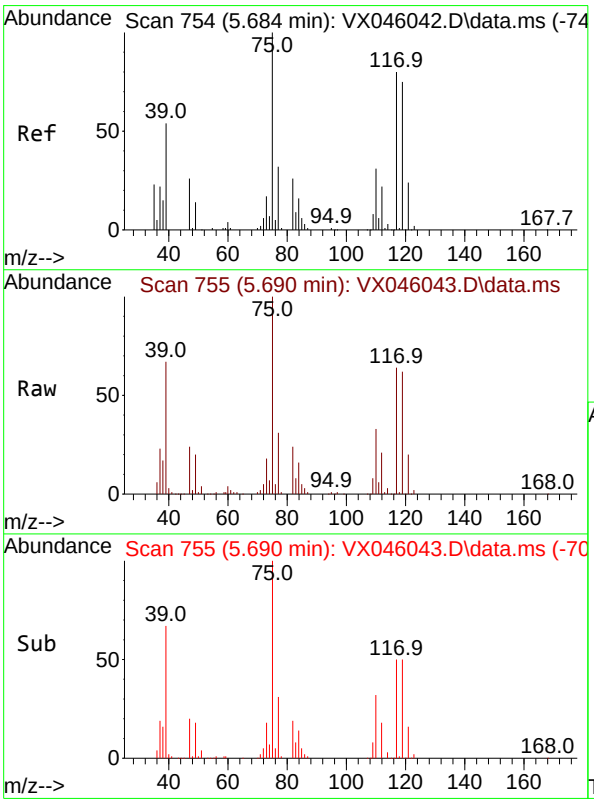
#35
Dibromofluoromethane
Concen: 65.006 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

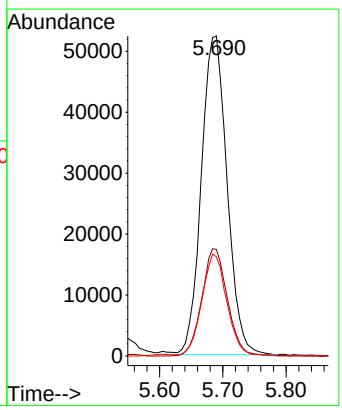


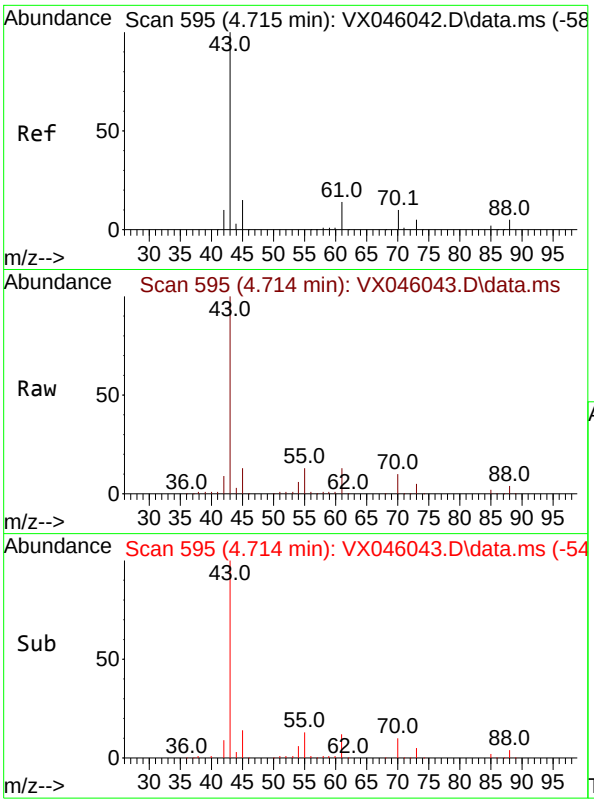


#36
1,1-Dichloropropene
Concen: 74.285 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



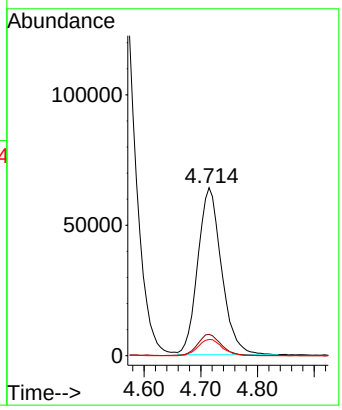


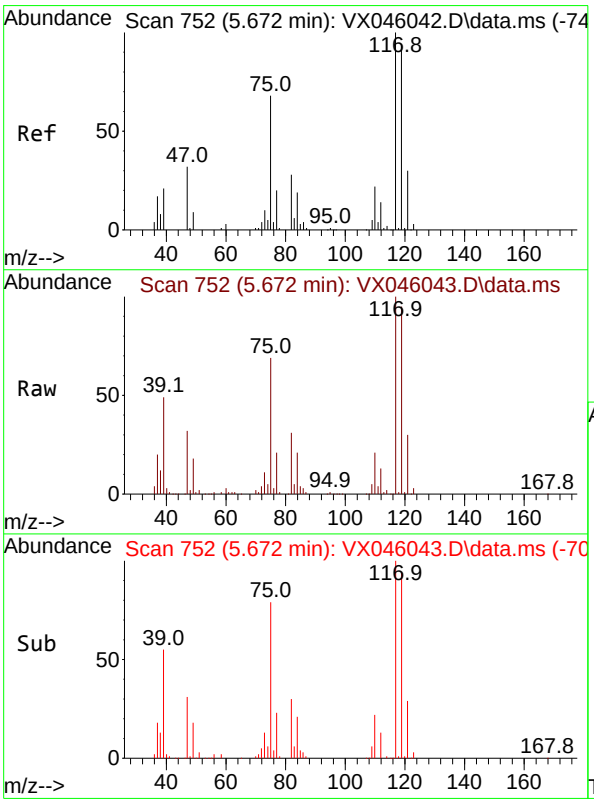
#37
Ethyl Acetate
Concen: 74.565 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

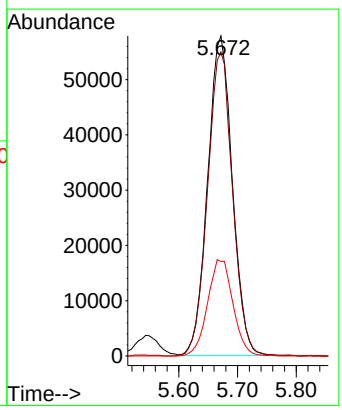


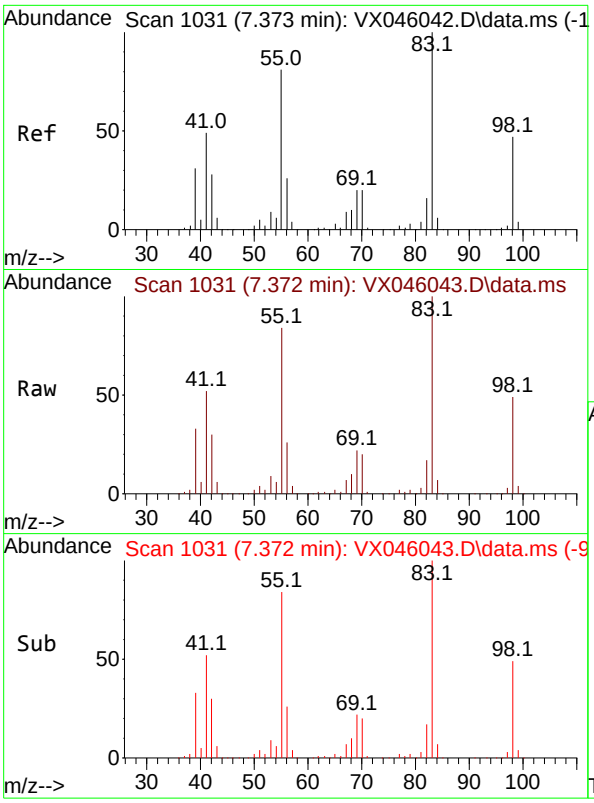


#38
Carbon Tetrachloride
Concen: 73.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



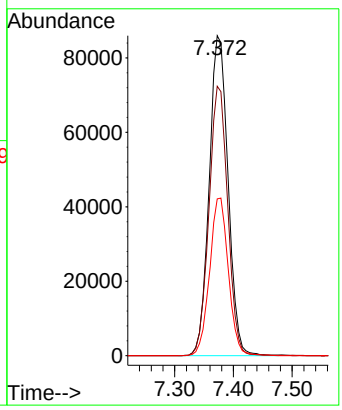


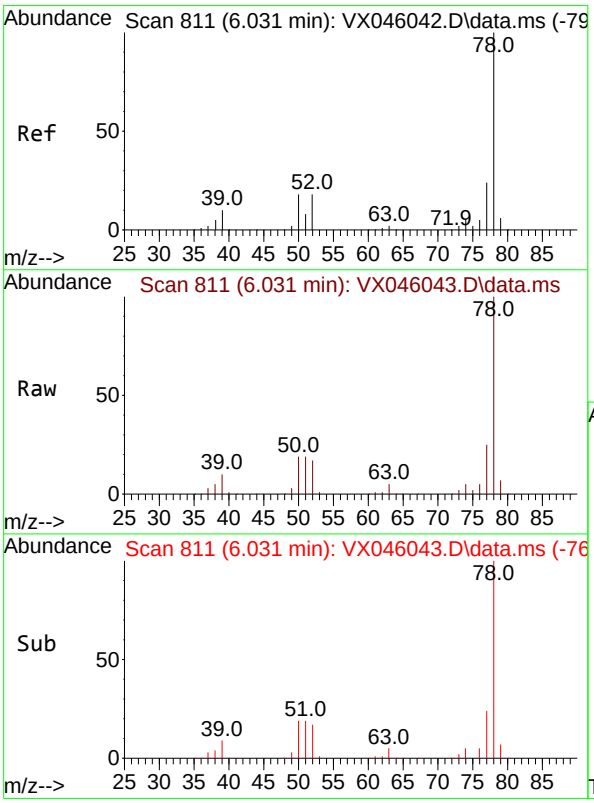
#39
Methylcyclohexane
Concen: 76.952 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

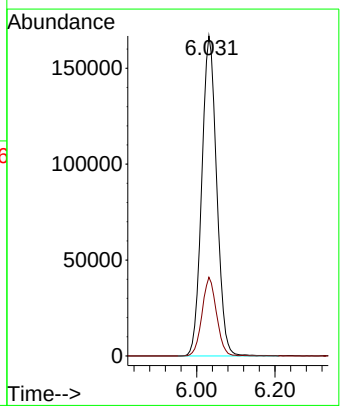


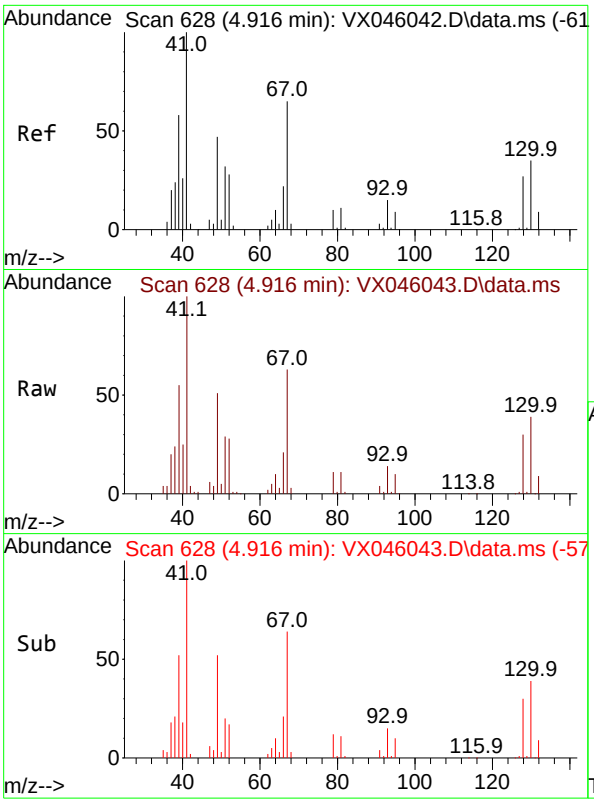


#40
Benzene
Concen: 71.457 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 78 Resp: 440885

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4



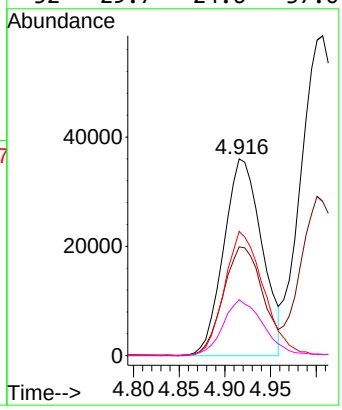


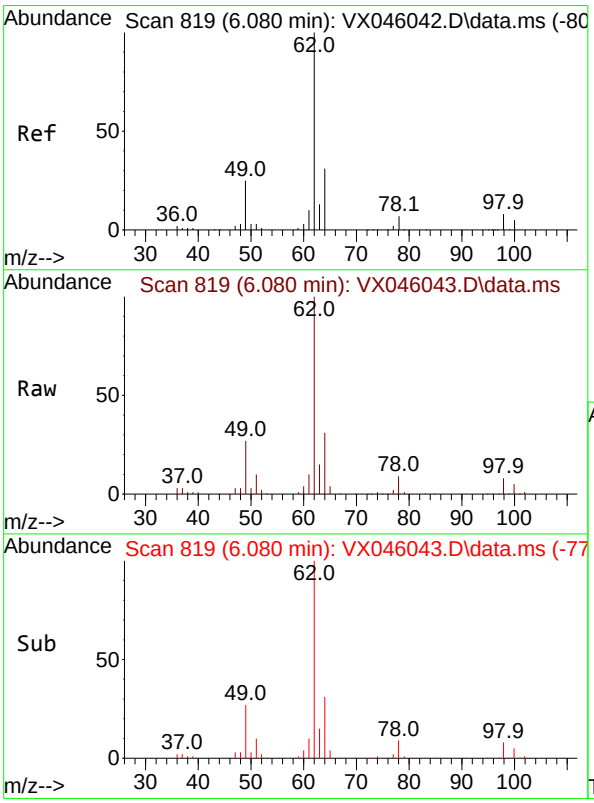
#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

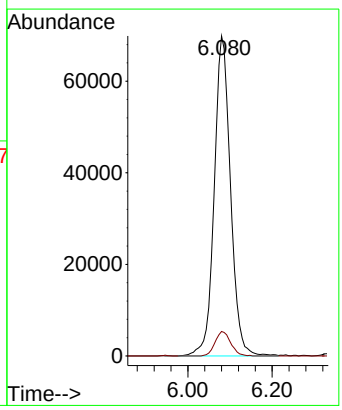


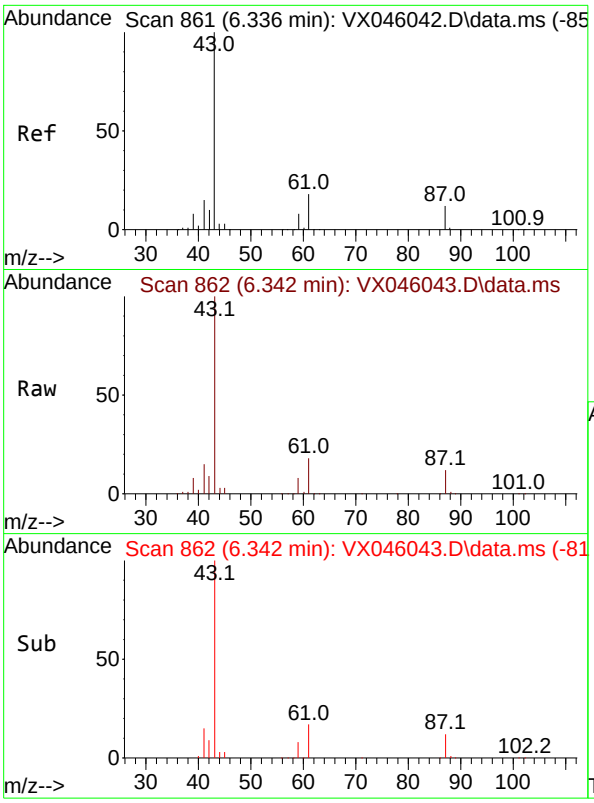


#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 187036

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2



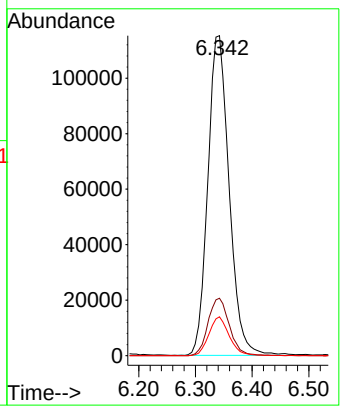


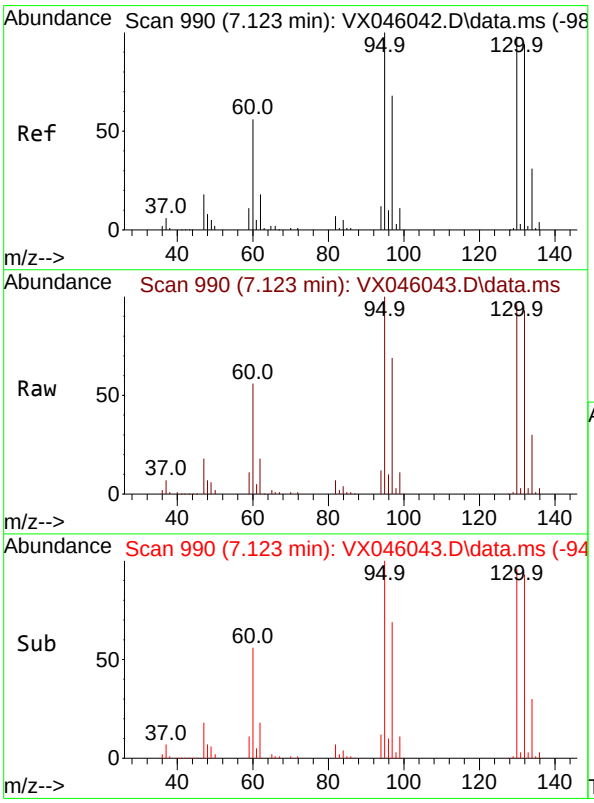
#43
Isopropyl Acetate
Concen: 78.714 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

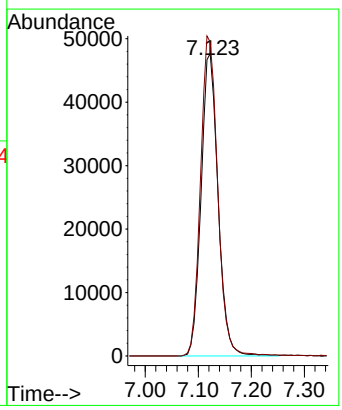


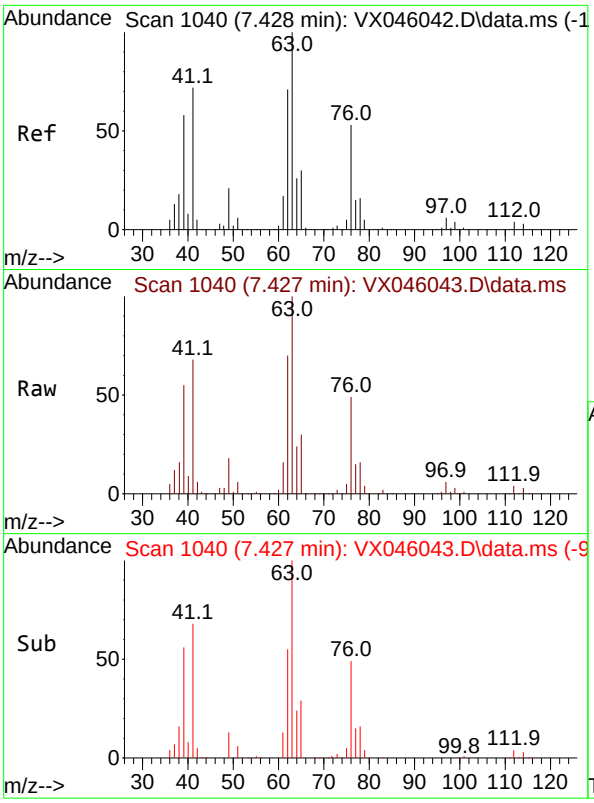


#44
Trichloroethene
Concen: 72.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:130 Resp: 105628

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.2



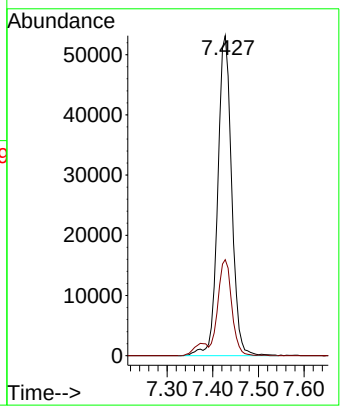


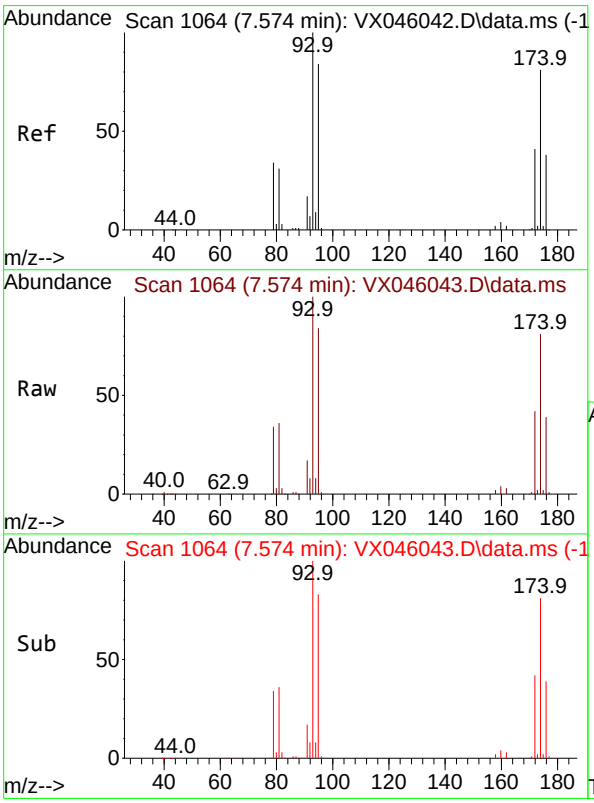
#45
1,2-Dichloropropane
Concen: 73.420 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 112554

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.1	36.1

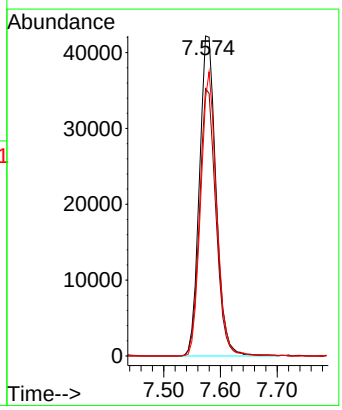


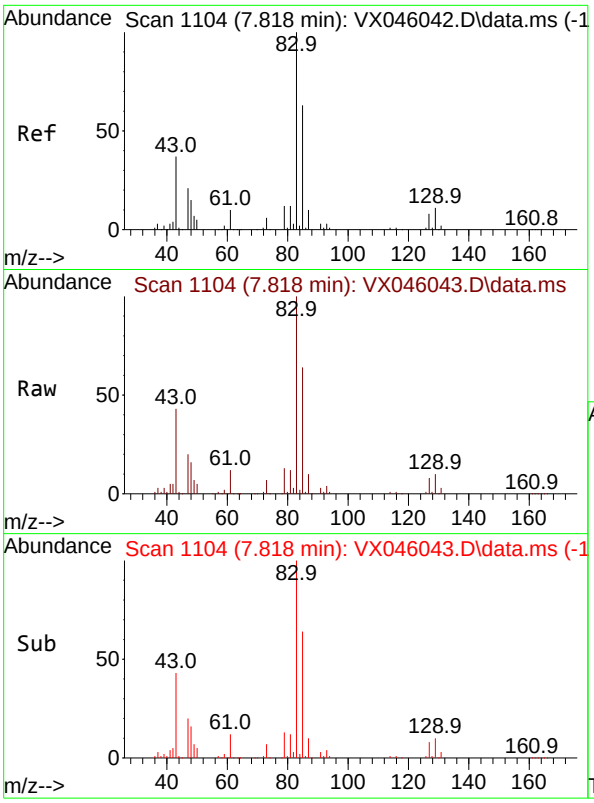


#46
Dibromomethane
Concen: 70.938 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



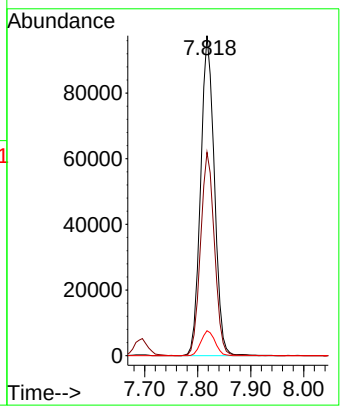


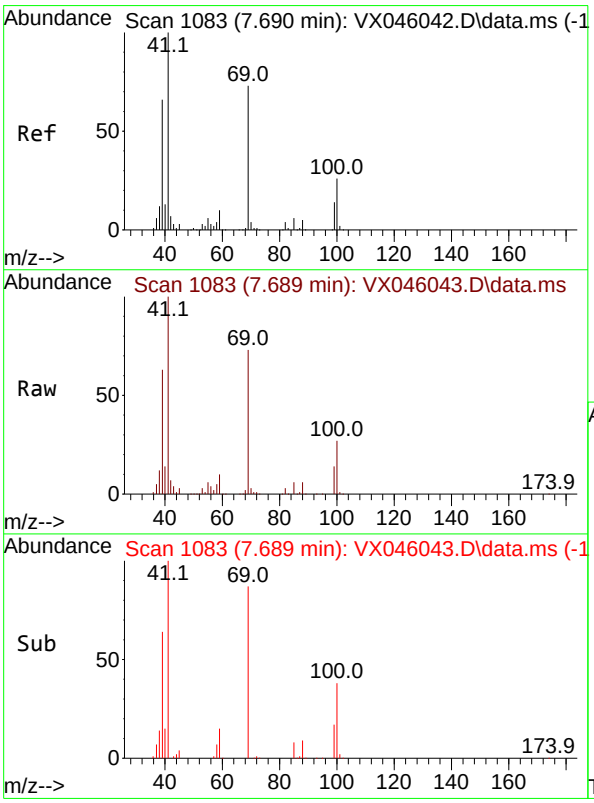
#47
Bromodichloromethane
Concen: 74.845 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

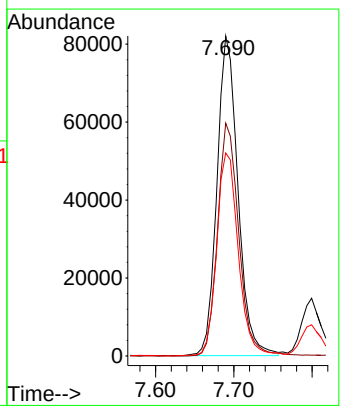


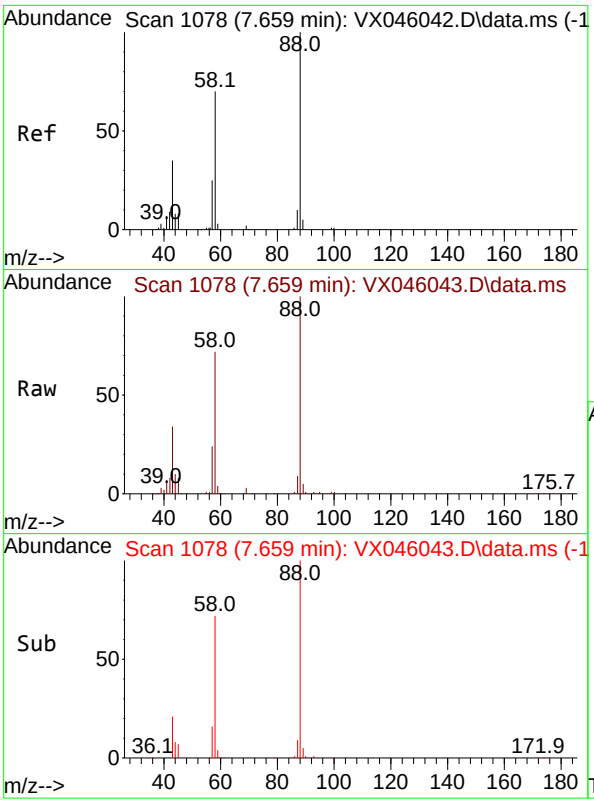


#48
Methyl methacrylate
Concen: 78.101 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



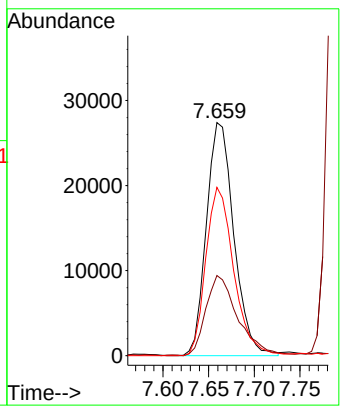


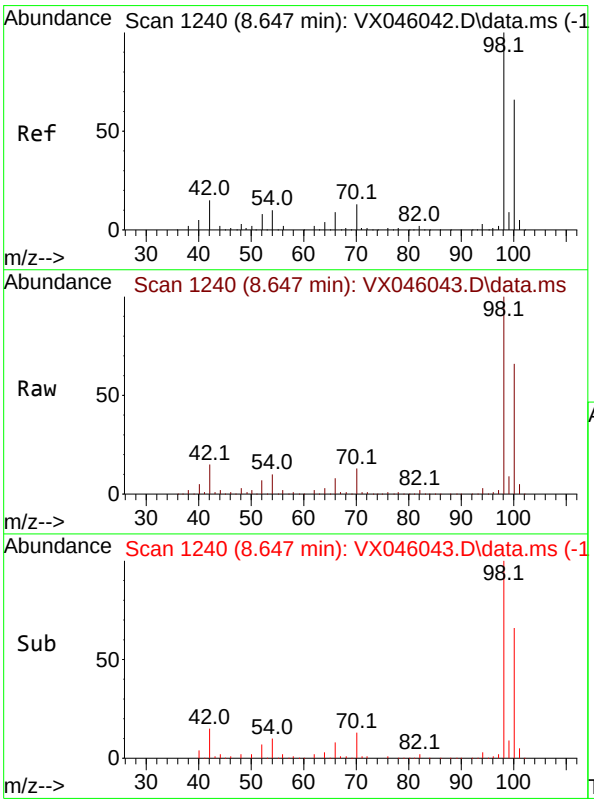
#49
1,4-Dioxane
Concen: 1470.687 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

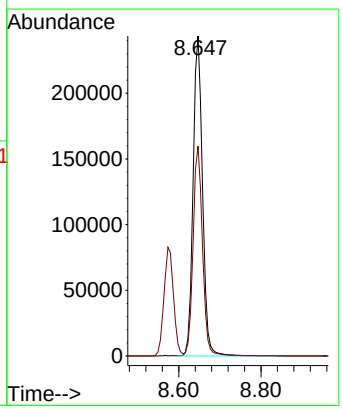


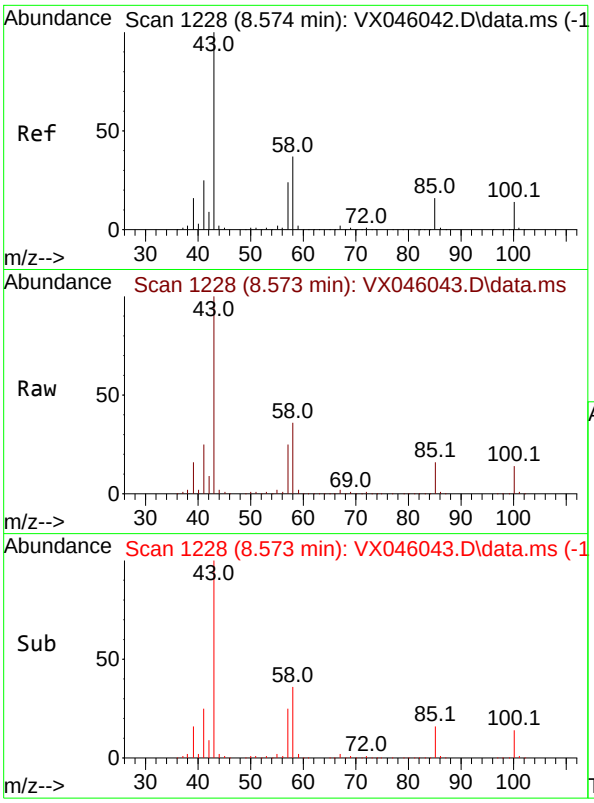


#50
Toluene-d8
Concen: 67.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 98 Resp: 387230

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.5	80.3



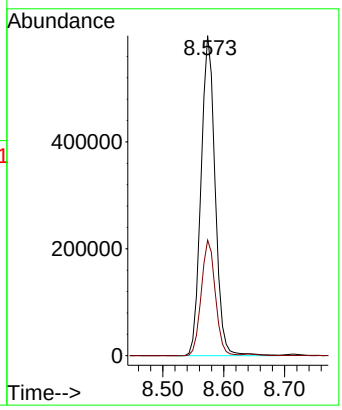


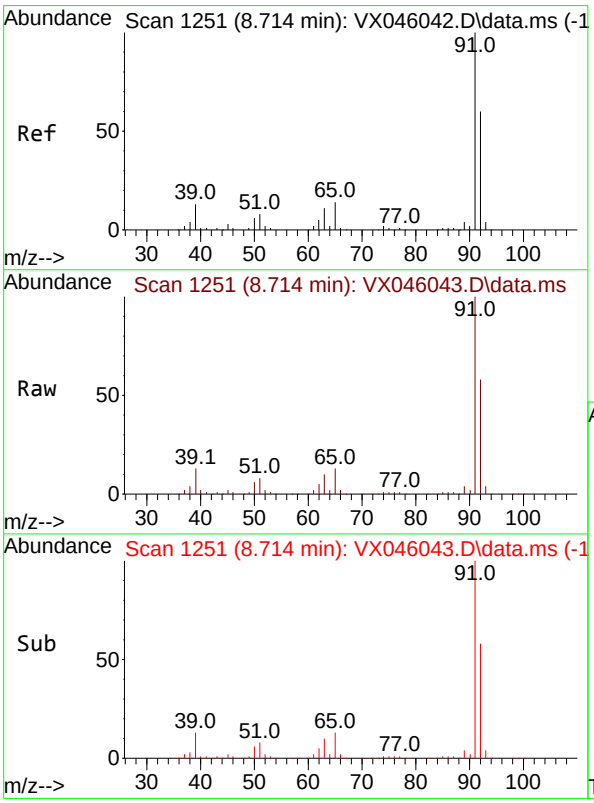
#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 963319

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

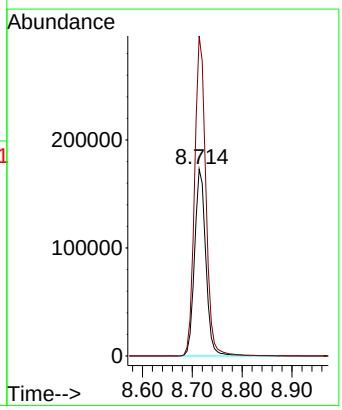


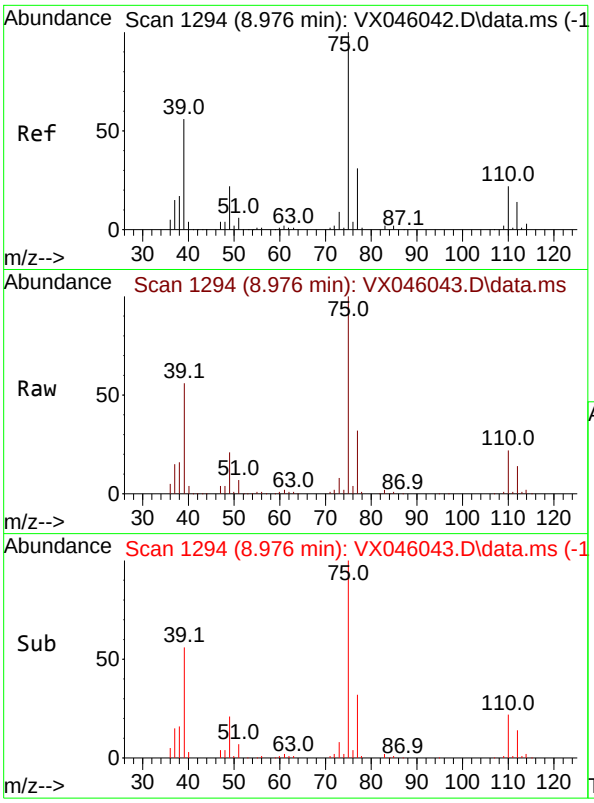


#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.6	205.0



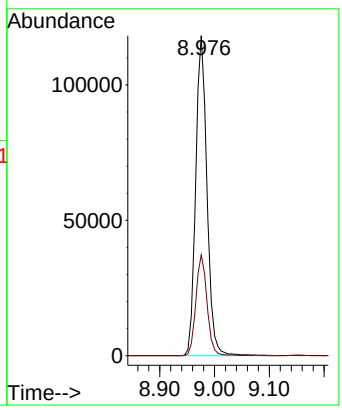


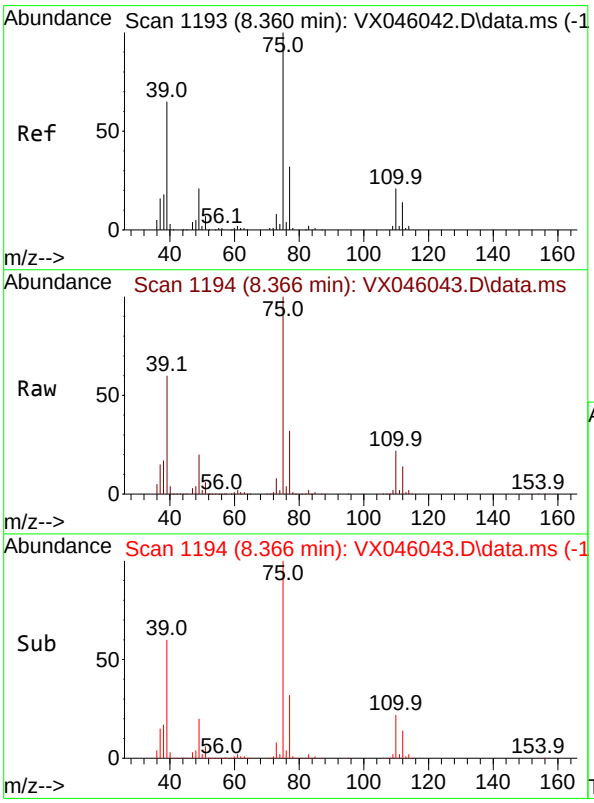
#53
t-1,3-Dichloropropene
Concen: 86.372 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 169863

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

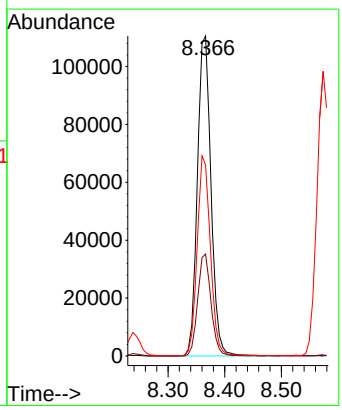


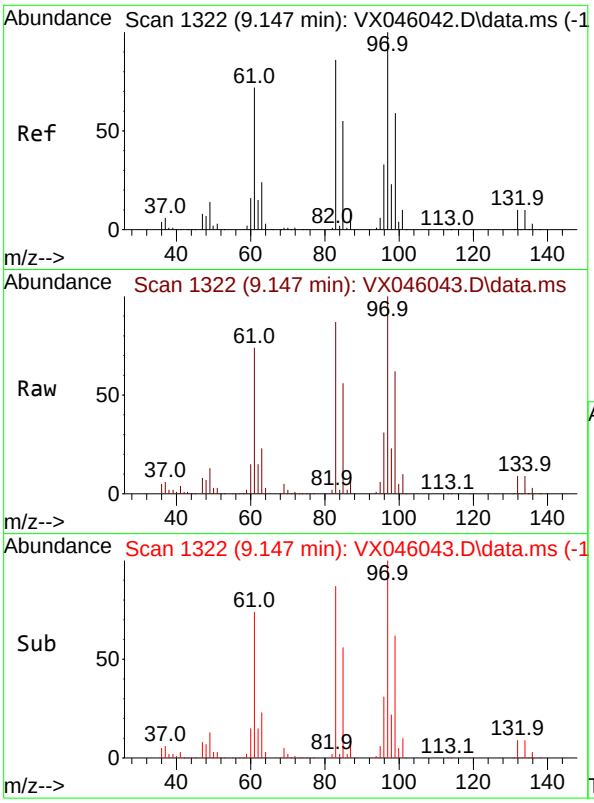


#54
cis-1,3-Dichloropropene
Concen: 80.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



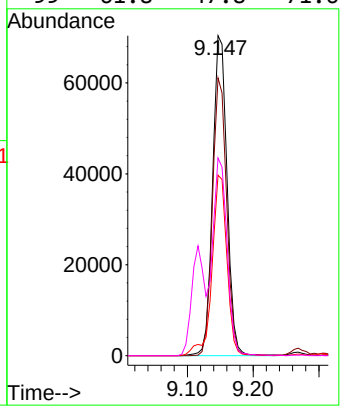


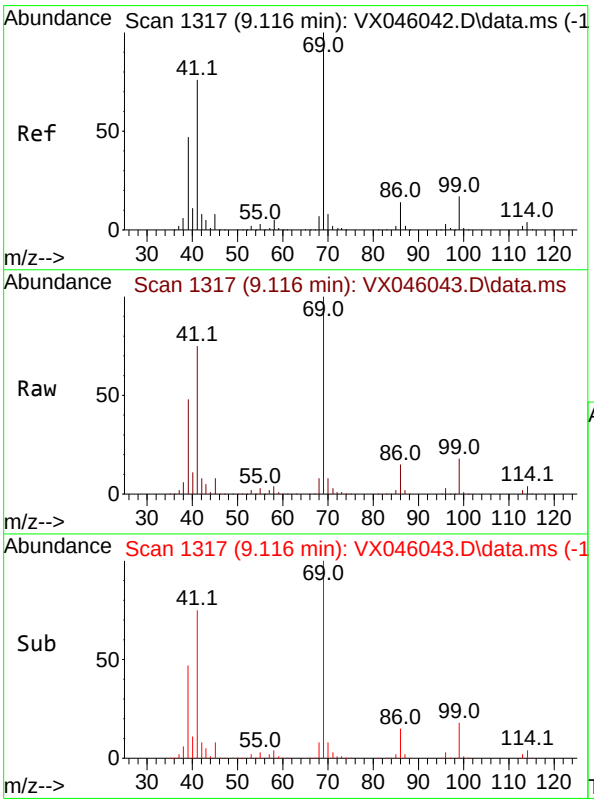
#55
1,1,2-Trichloroethane
Concen: 72.543 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

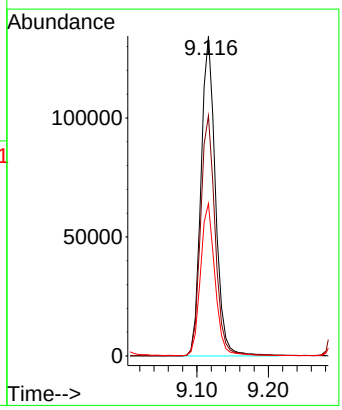


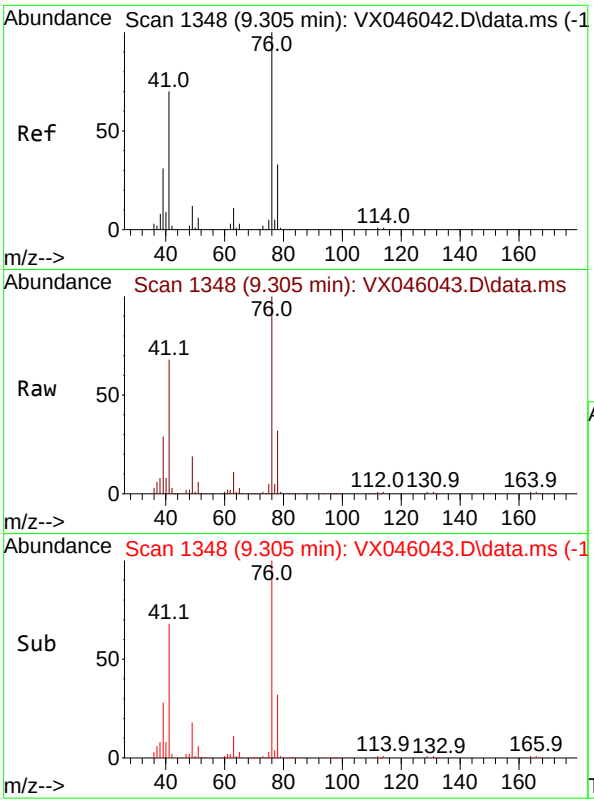


#56
Ethyl methacrylate
Concen: 82.359 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



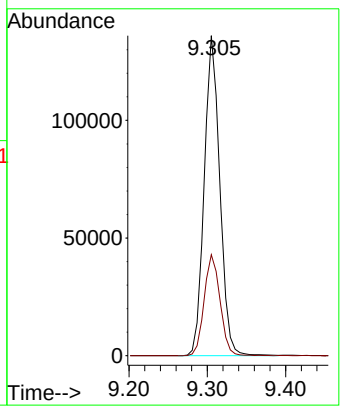


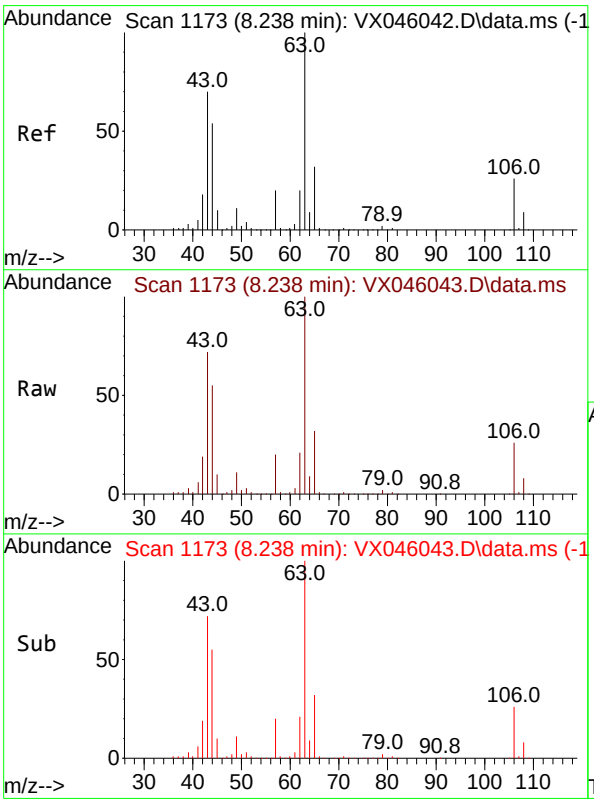
#57
1,3-Dichloropropane
Concen: 71.590 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 187649

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

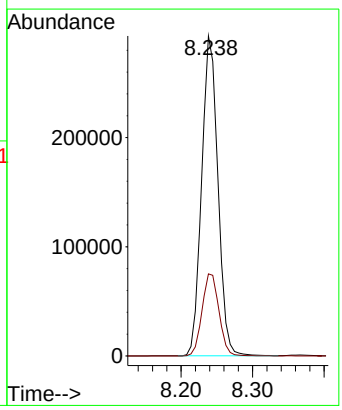


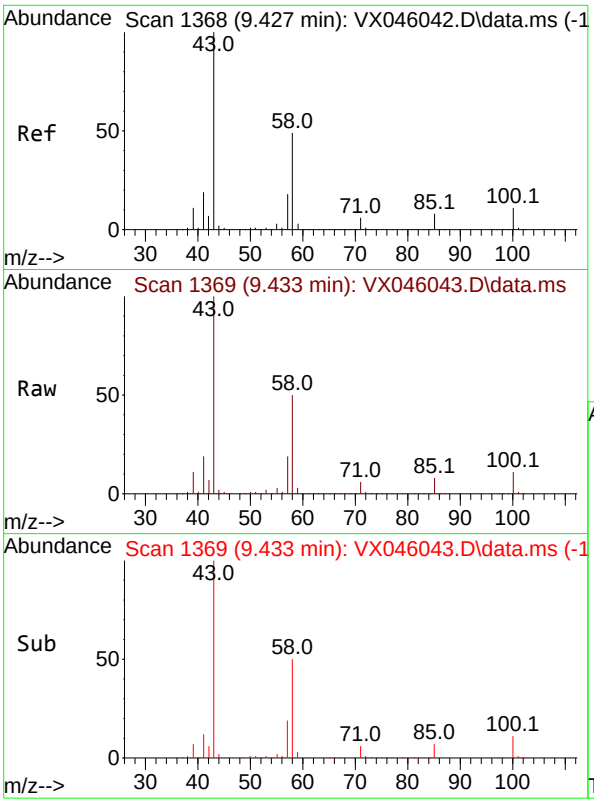


#58
2-Chloroethyl Vinyl ether
Concen: 449.791 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 463169

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



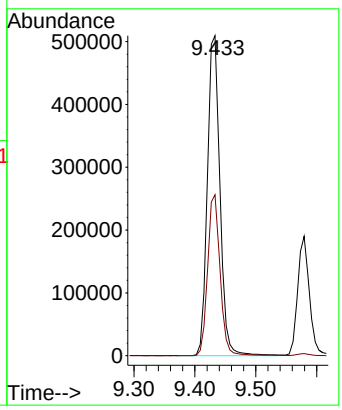


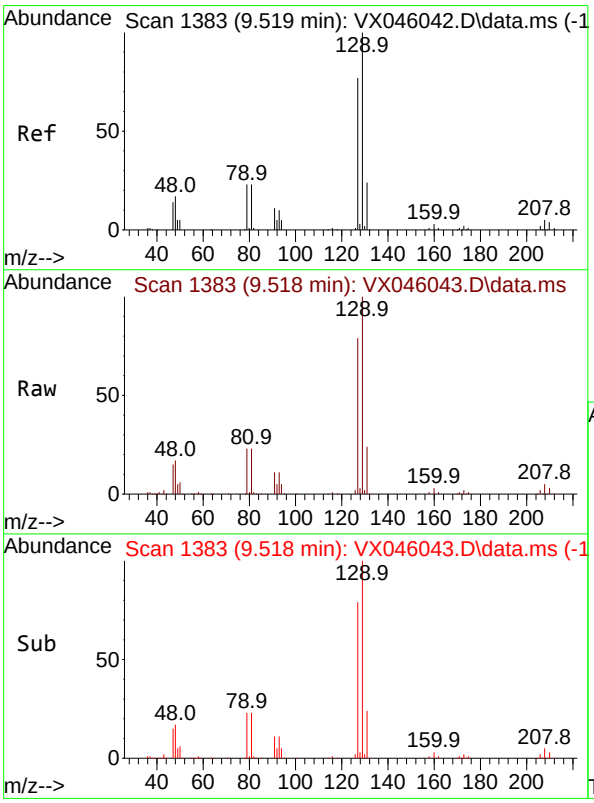
#59
2-Hexanone
Concen: 383.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 729602

Ion	Ratio	Lower	Upper
43	100		
58	49.9	24.9	74.6

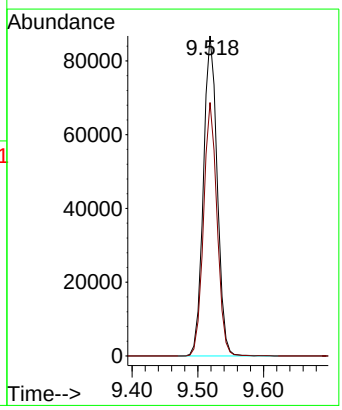


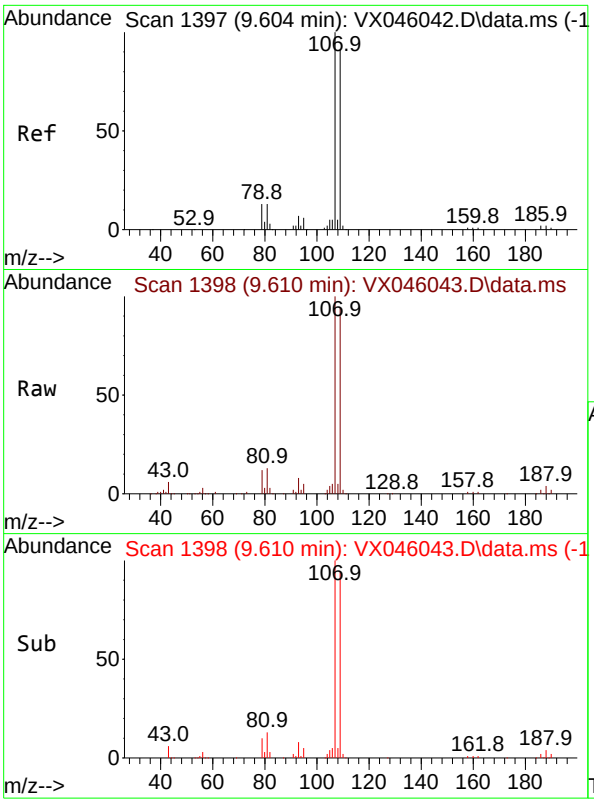


#60
Dibromochloromethane
Concen: 78.918 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:129 Resp: 127012

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.3	117.8



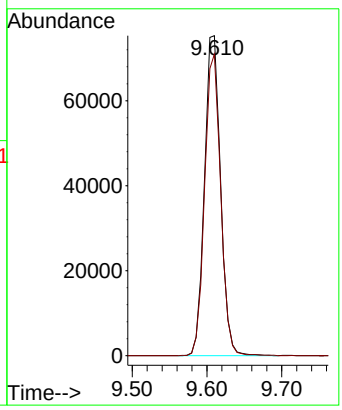


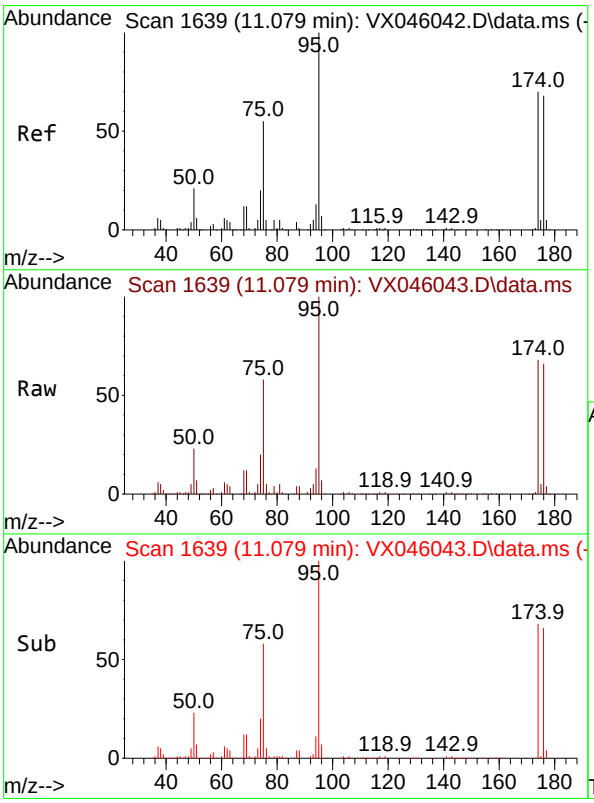
#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 112669

Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.3	109.9

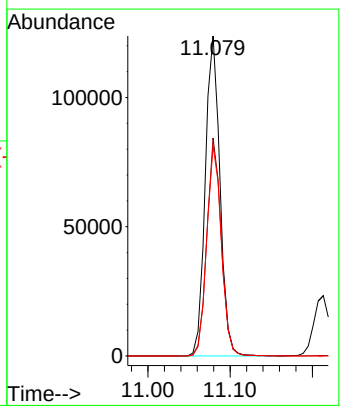


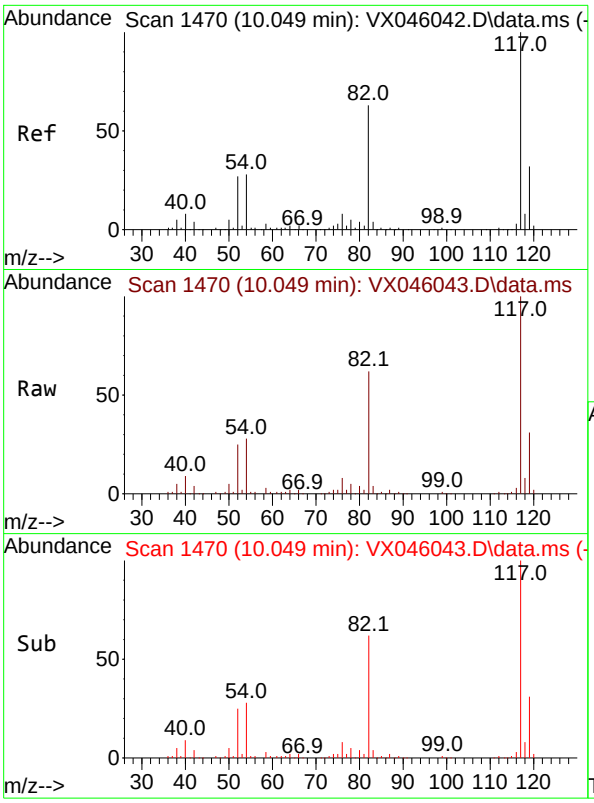


#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



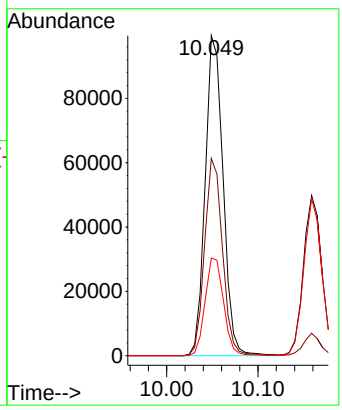


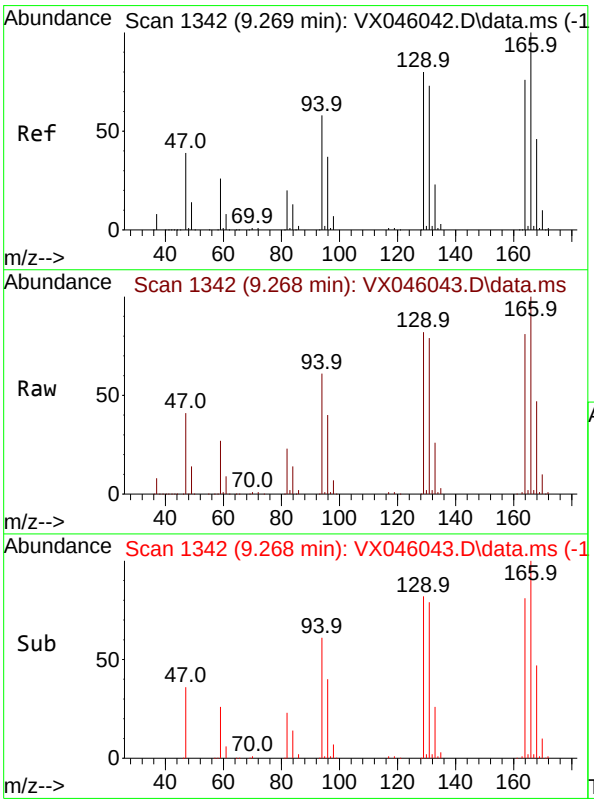
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

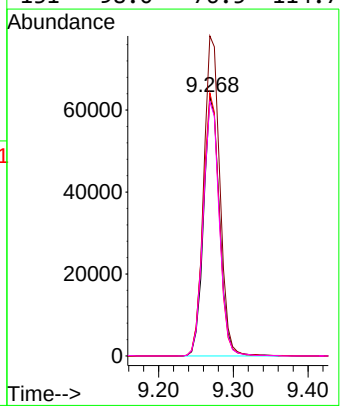


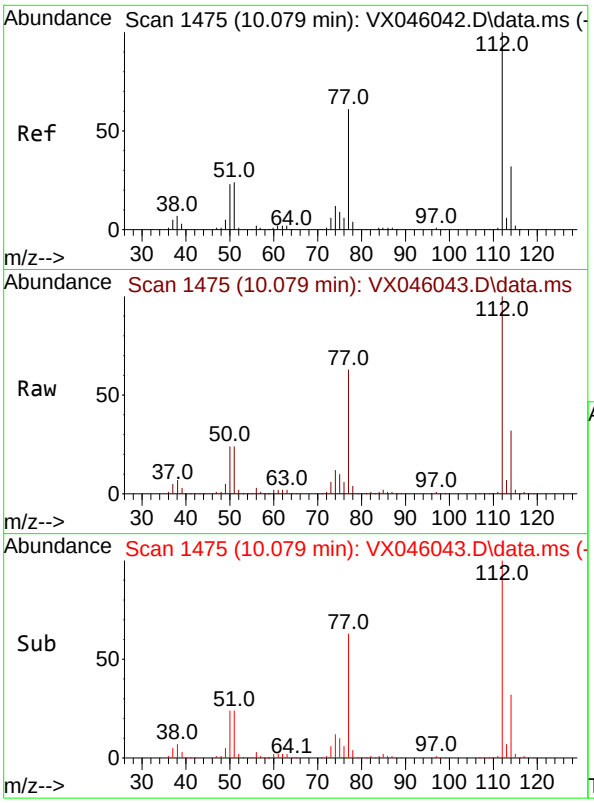


#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



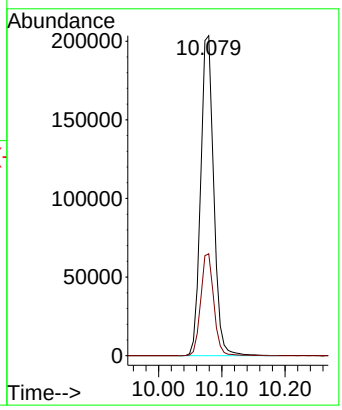


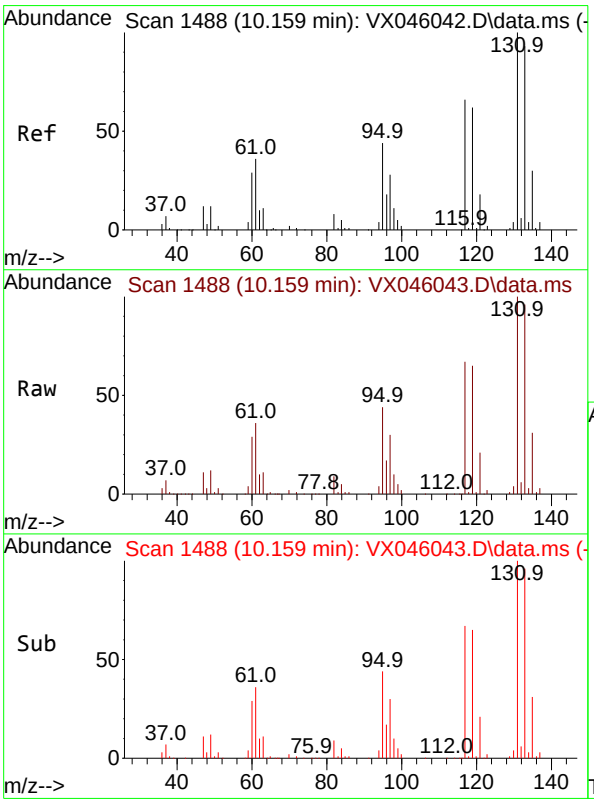
#65
Chlorobenzene
Concen: 70.490 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 293284

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.2

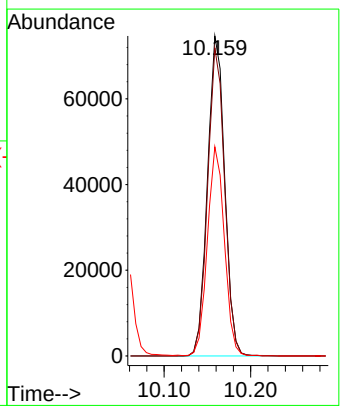


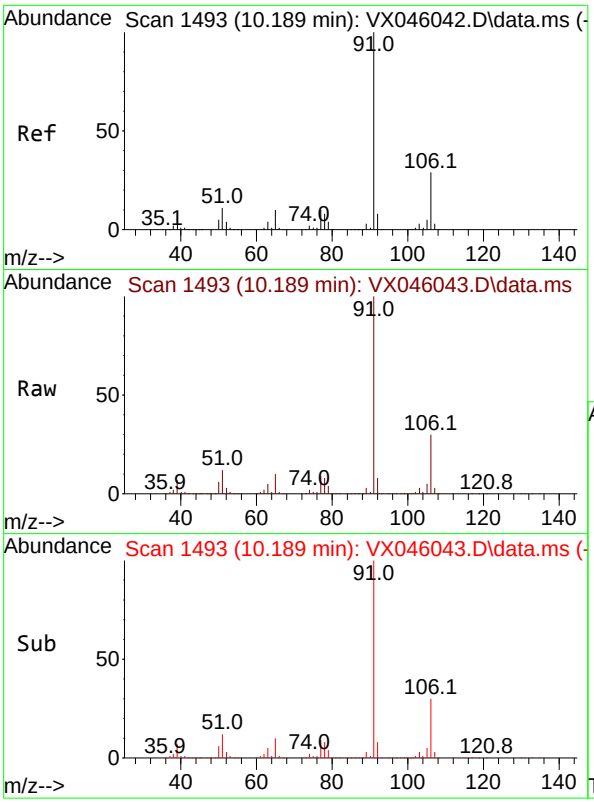


#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



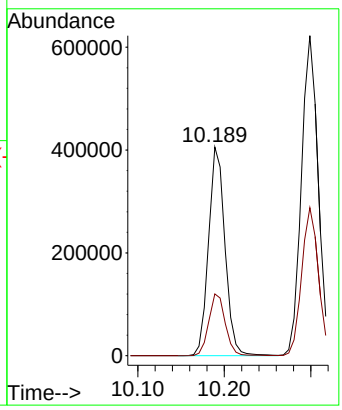


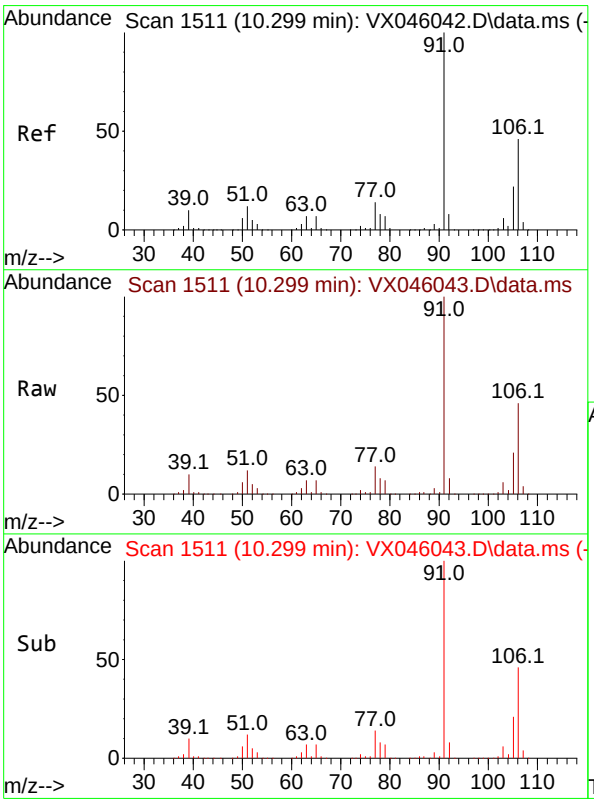
#67
Ethyl Benzene
Concen: 75.444 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 535122

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2

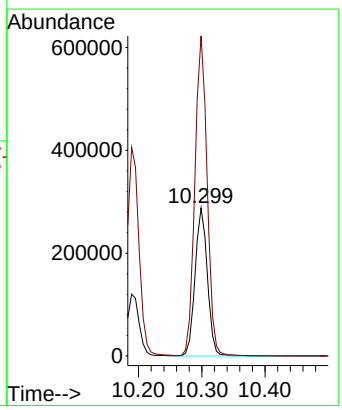


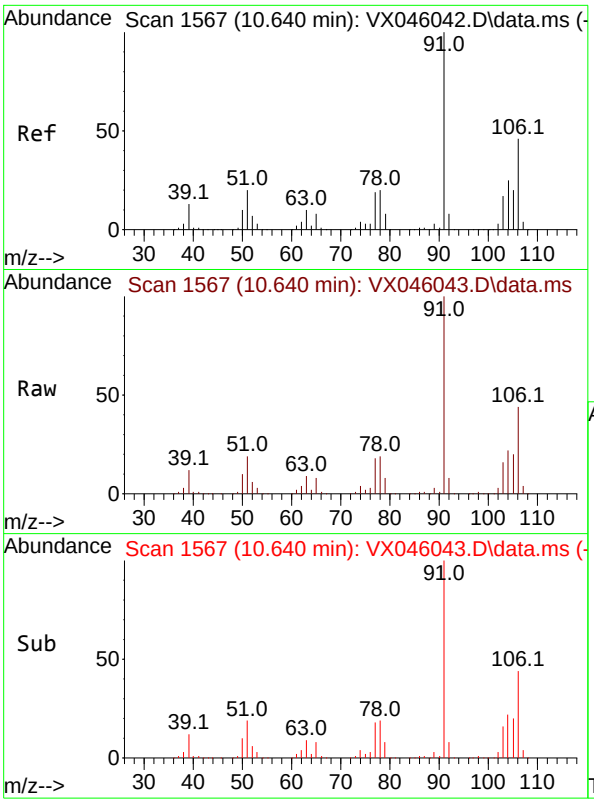


#68
m/p-Xylenes
Concen: 152.181 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 389935

Ion	Ratio	Lower	Upper
106	100		
91	215.8	171.2	256.8



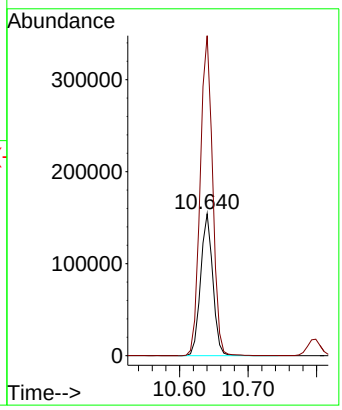


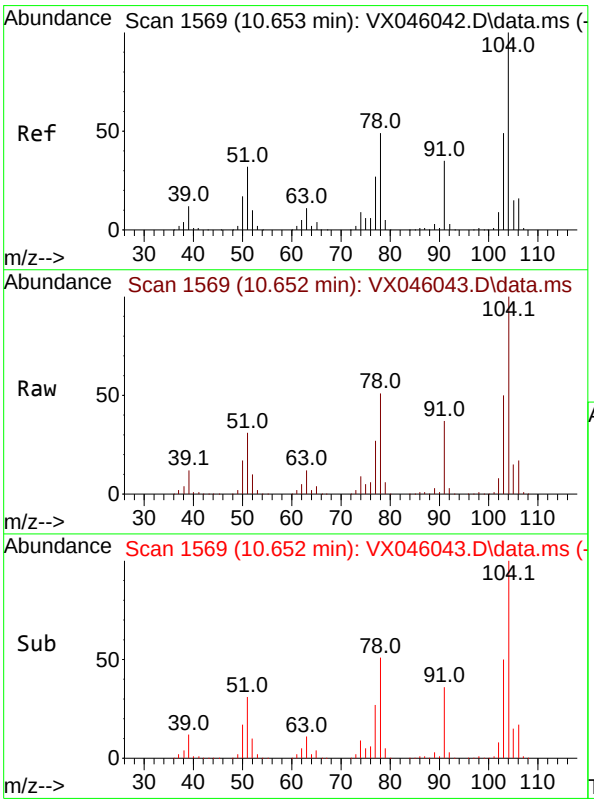
#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 190833

Ion	Ratio	Lower	Upper
106	100		
91	230.3	112.7	338.1

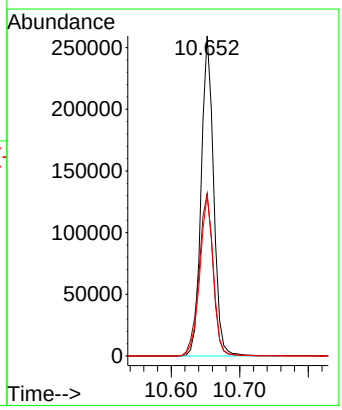


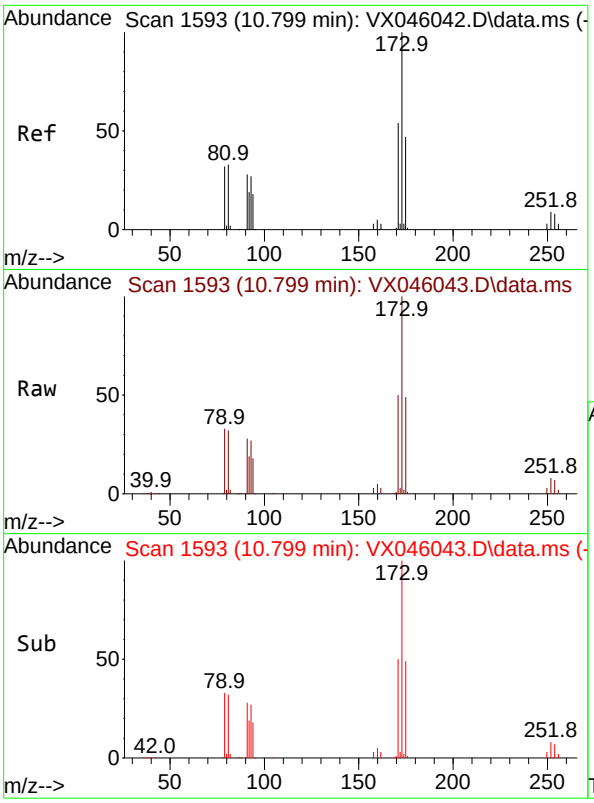


#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



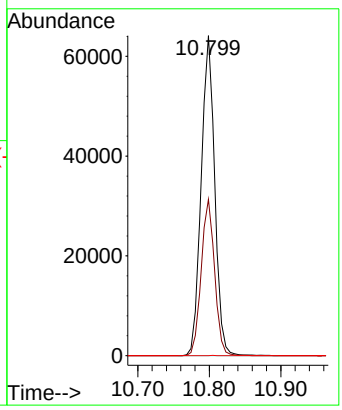


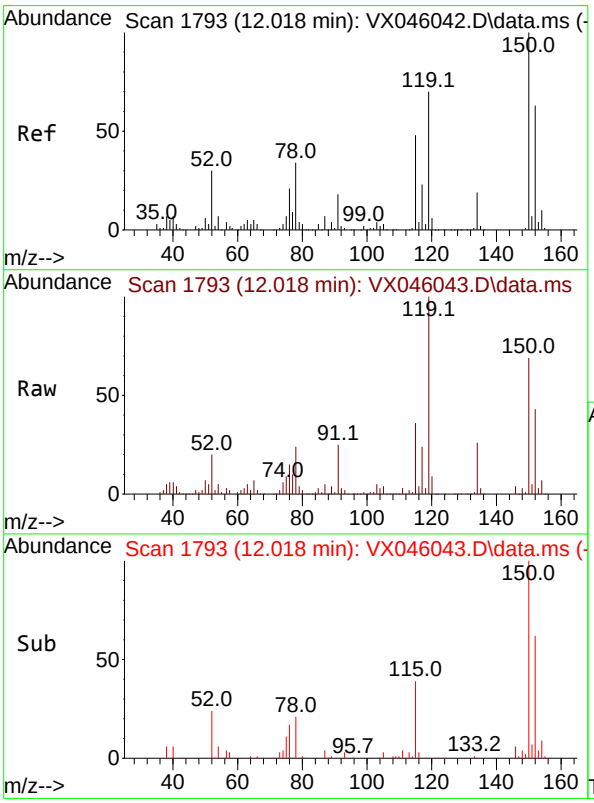
#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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#

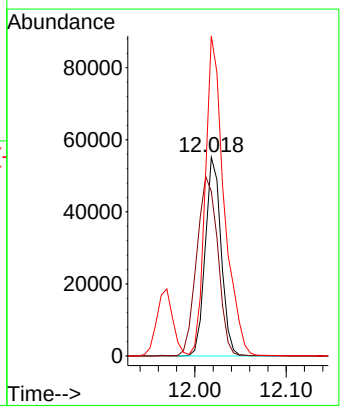


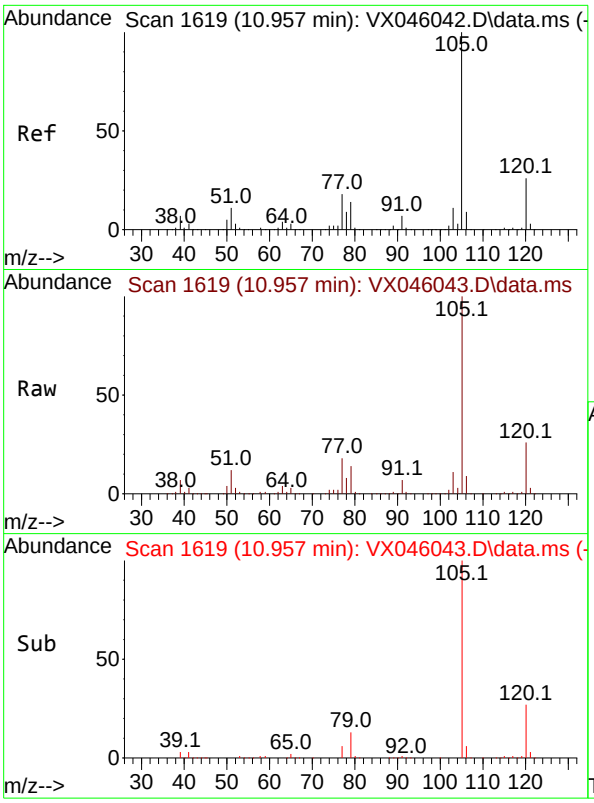


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



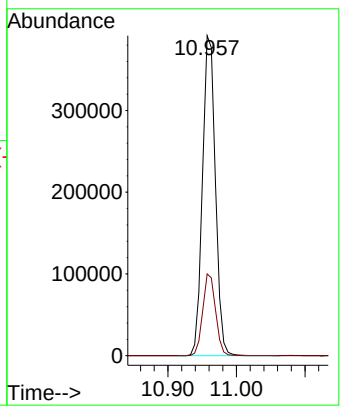


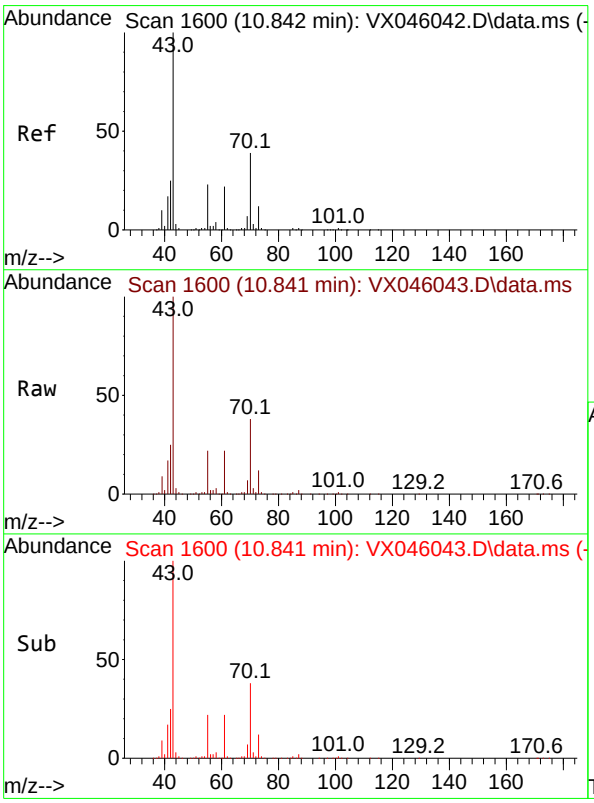
#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 514528

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

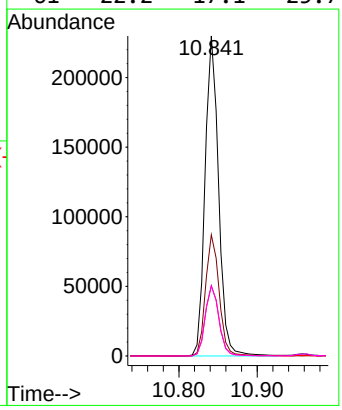


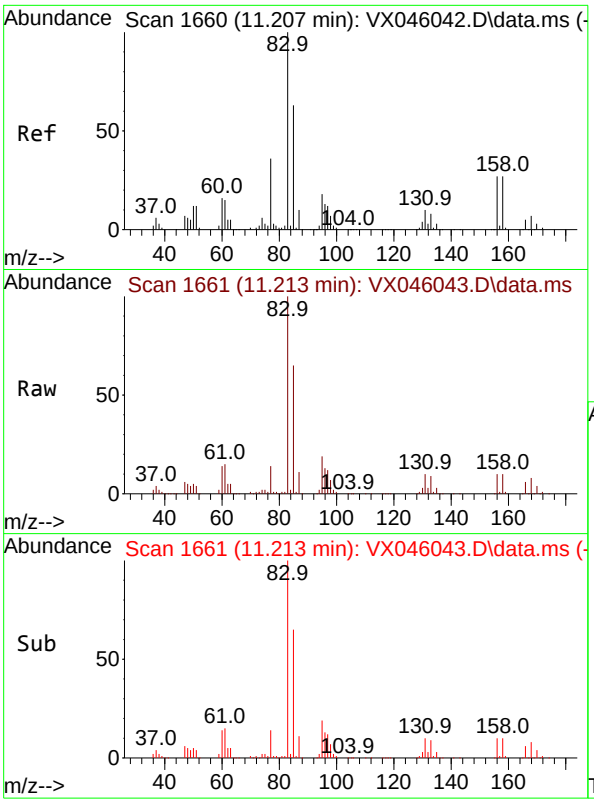


#74
N-amyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



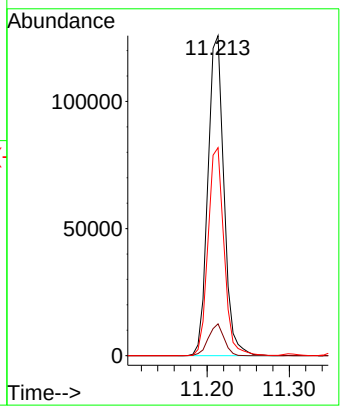


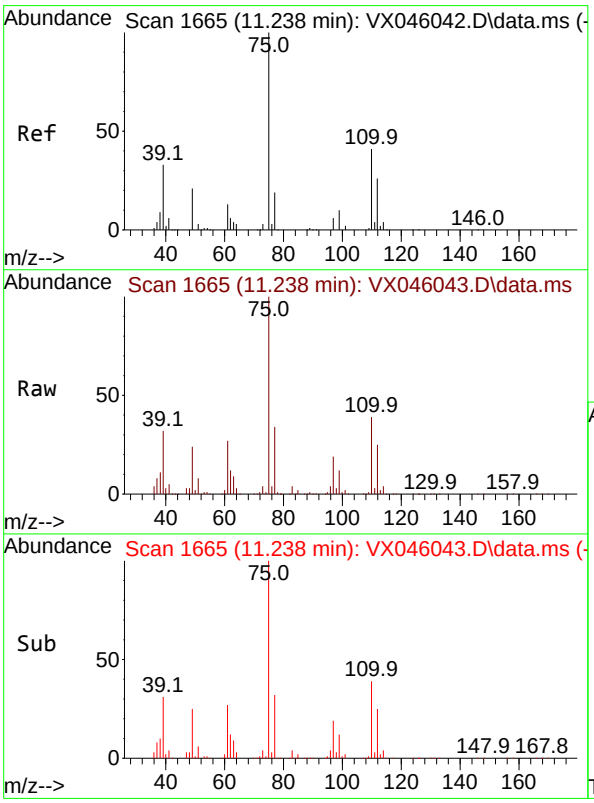
#75
1,1,2,2-Tetrachloroethane
Concen: 66.207 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

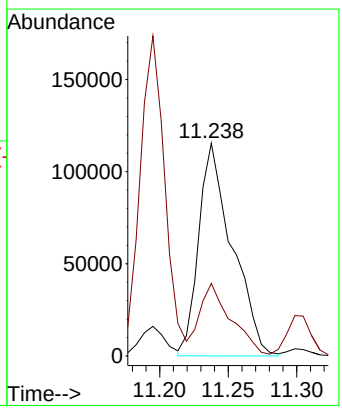


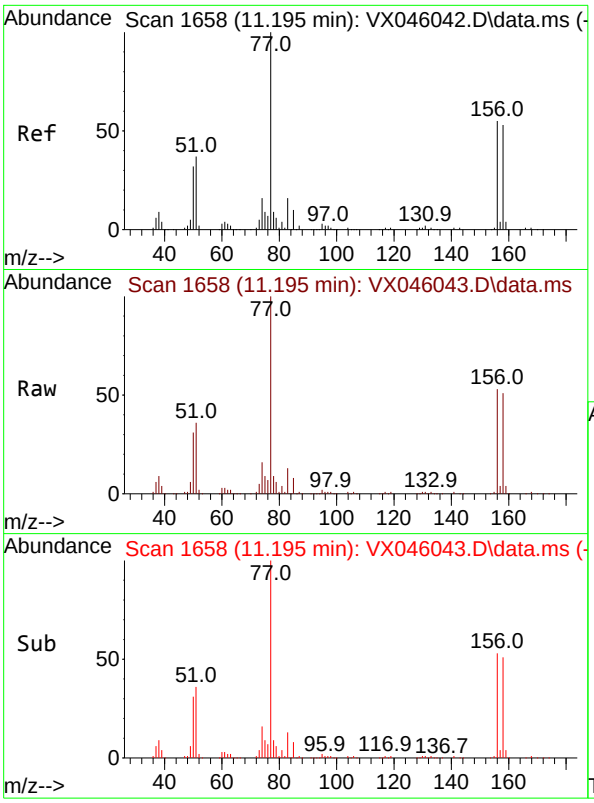


#76
1,2,3-Trichloropropane
Concen: 71.091 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 196706

Ion	Ratio	Lower	Upper
75	100		
77	32.2	20.5	61.5



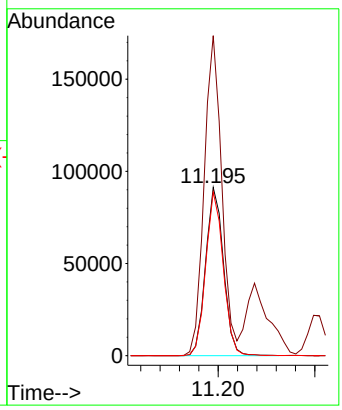


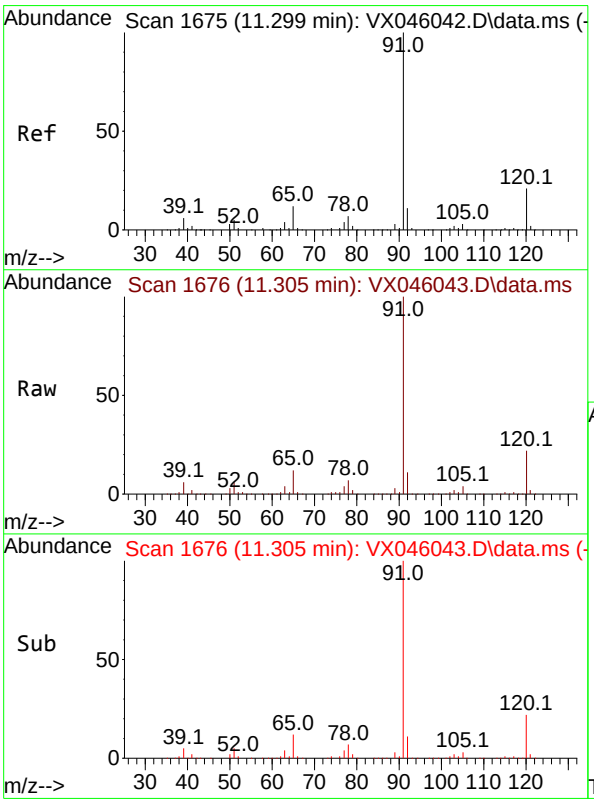
#77
Bromobenzene
Concen: 69.959 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

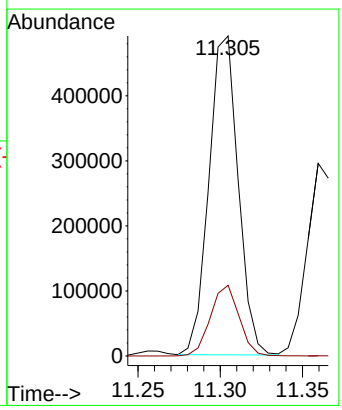


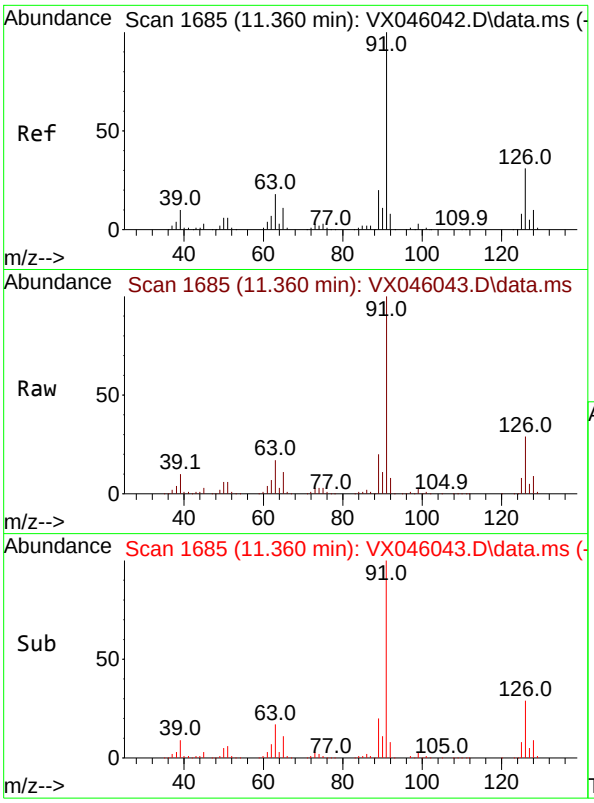


#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 608332

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



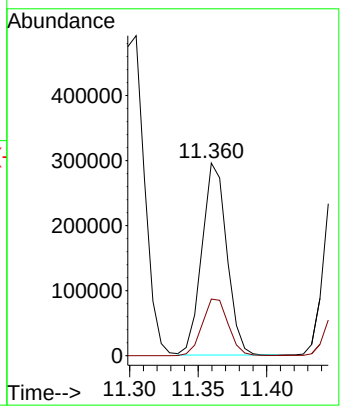


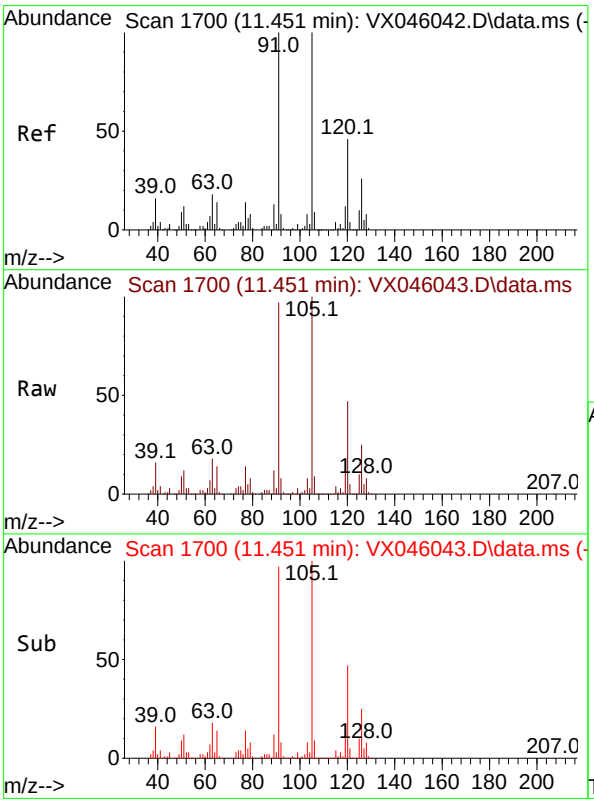
#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 372392

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7

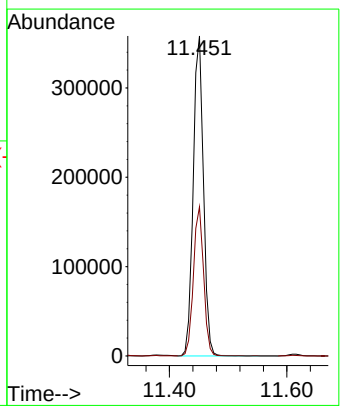


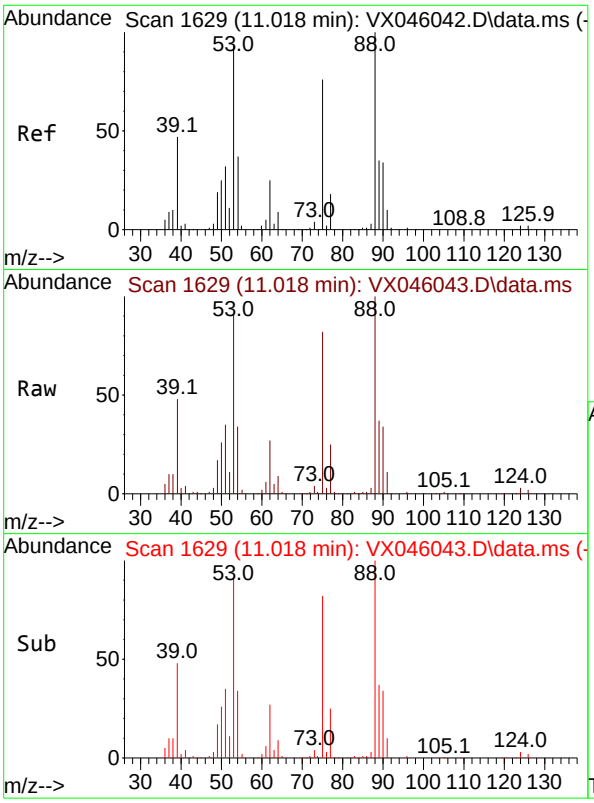


#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 432096

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2



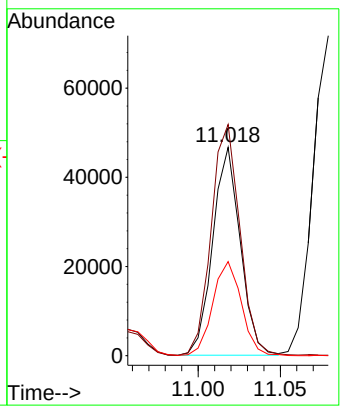


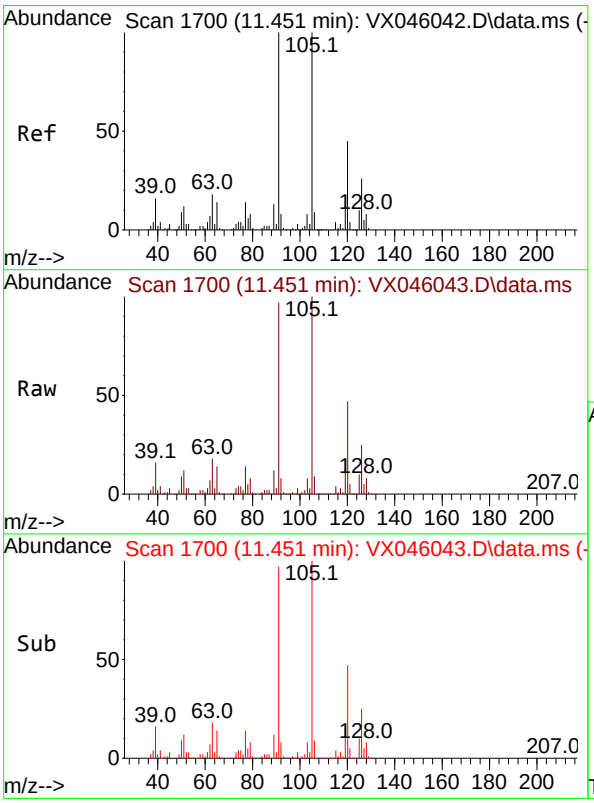
#81
trans-1,4-Dichloro-2-butene
Concen: 81.820 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

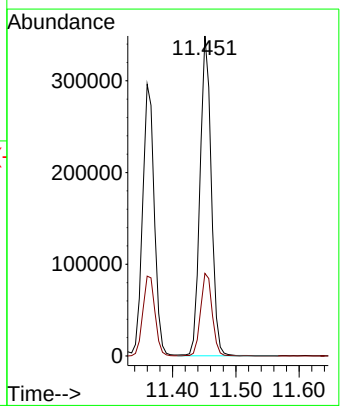


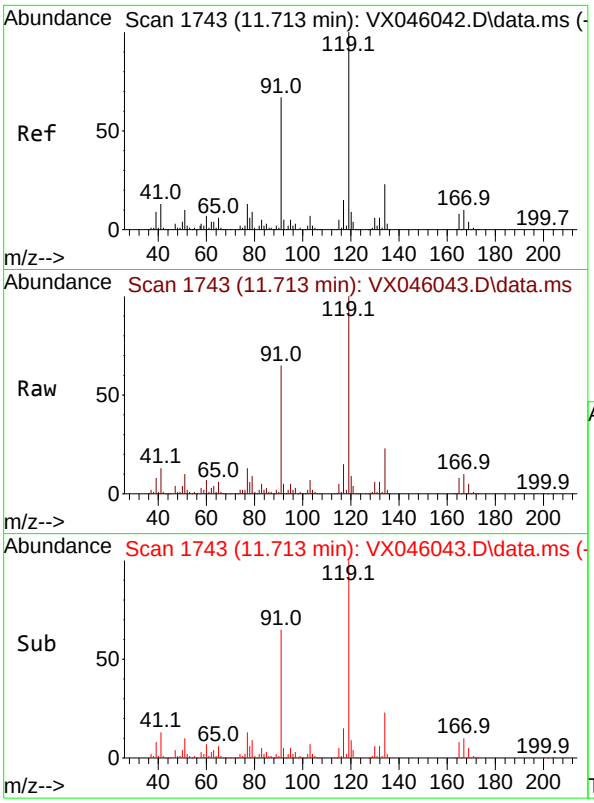


#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 432053

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8



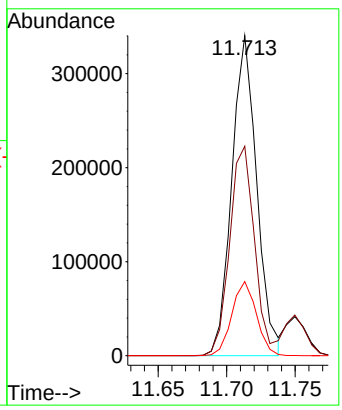


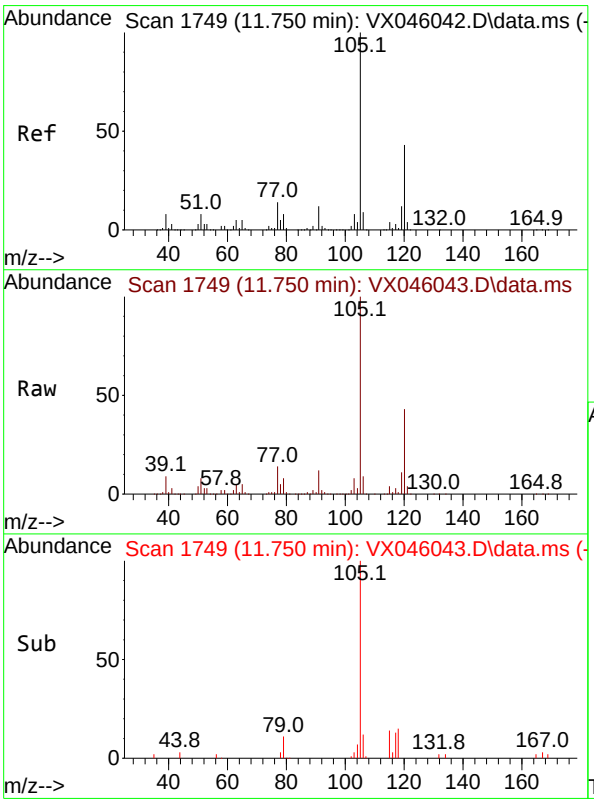
#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

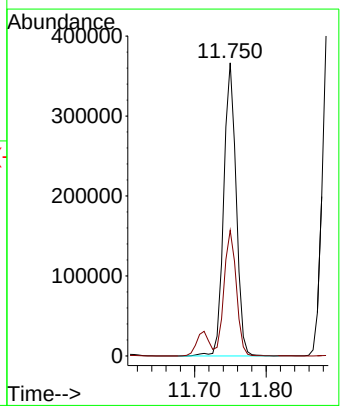


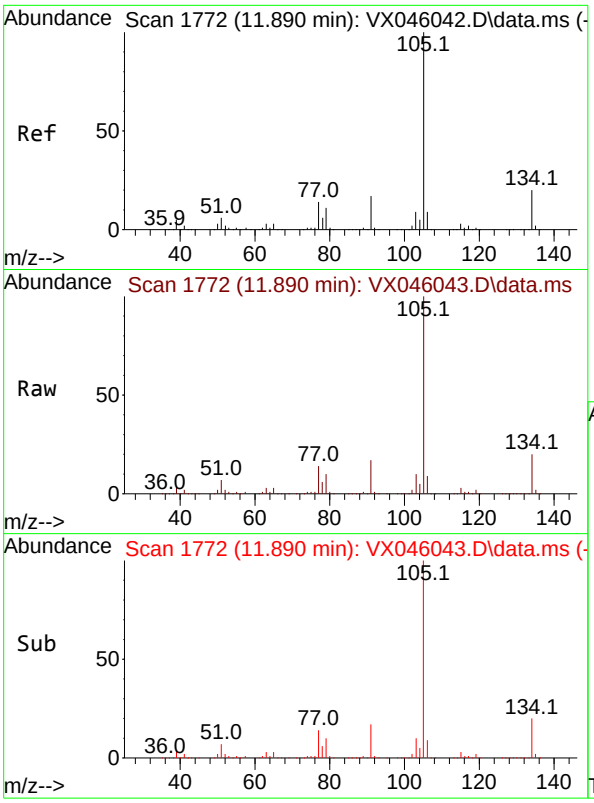


#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6



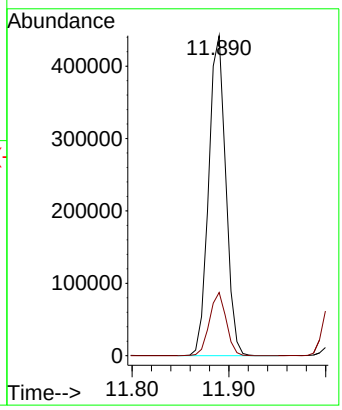


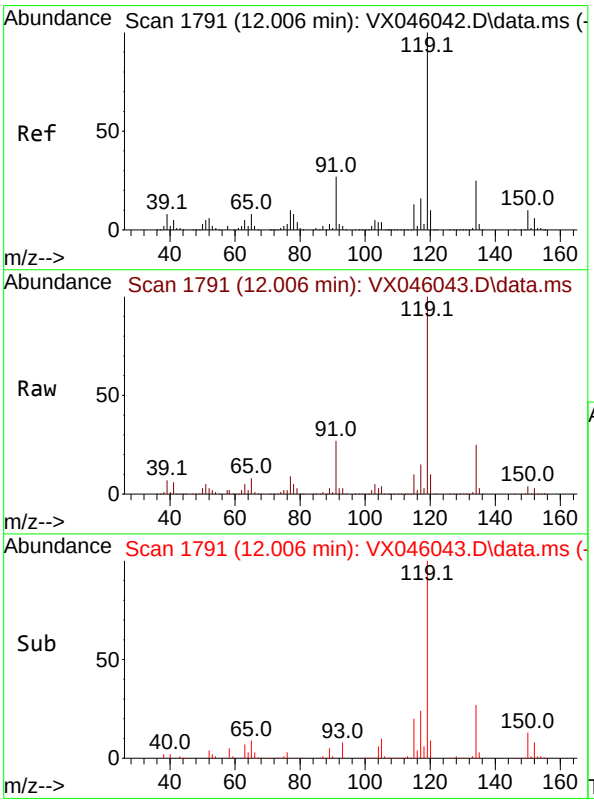
#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 543597

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

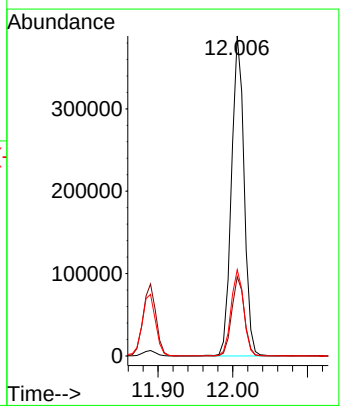


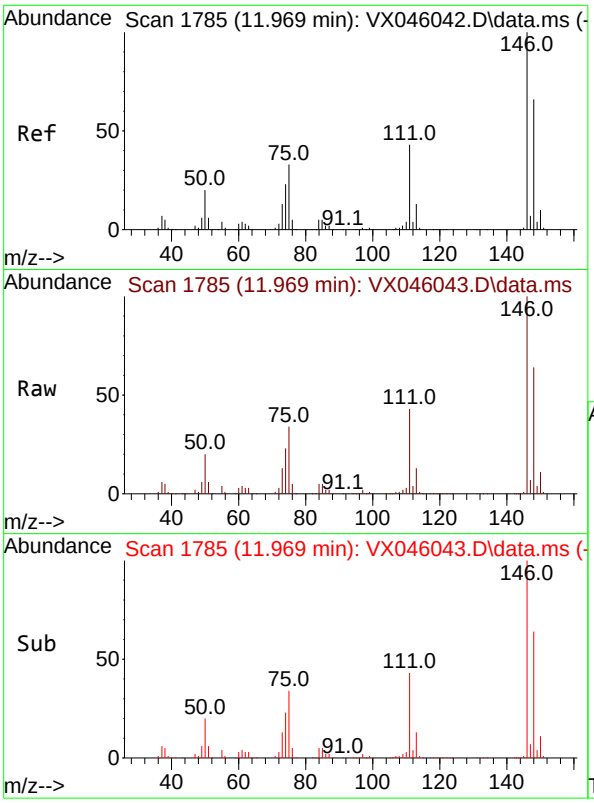


#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



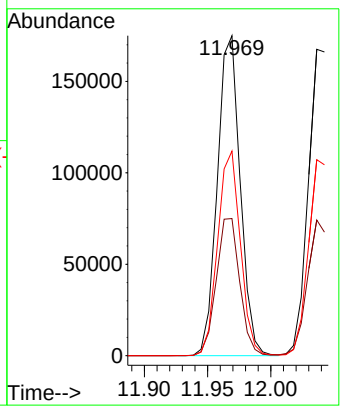


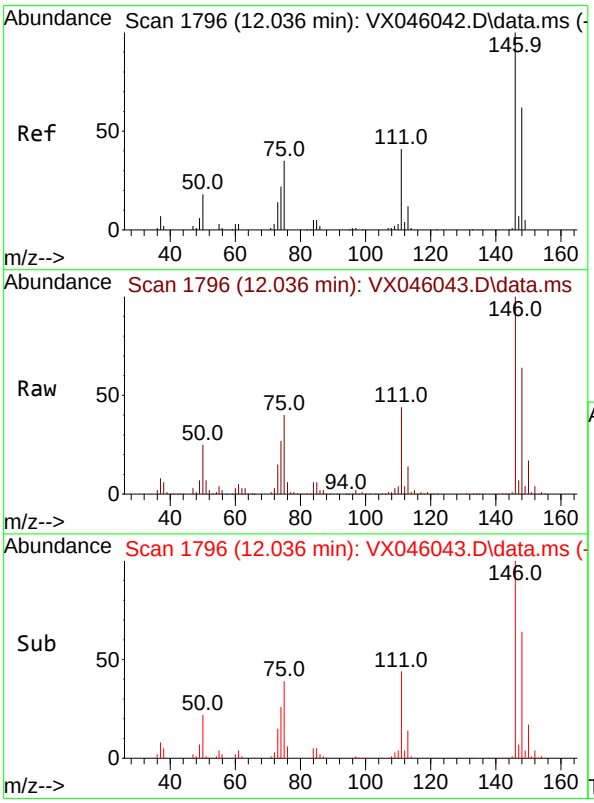
#87
1,3-Dichlorobenzene
Concen: 70.449 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

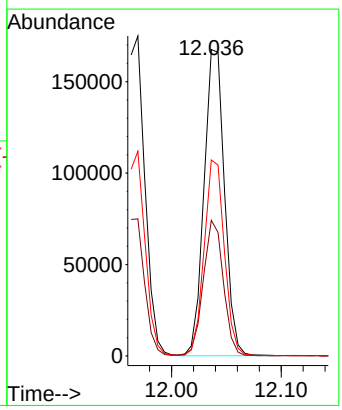


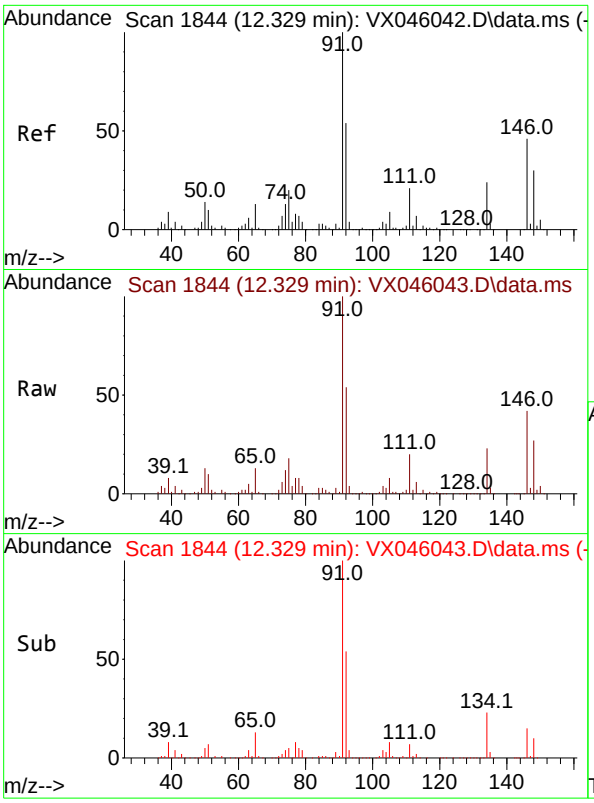


#88
1,4-Dichlorobenzene
Concen: 71.190 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



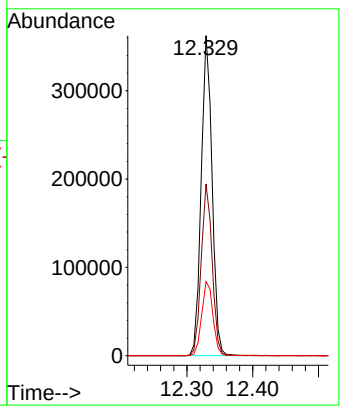


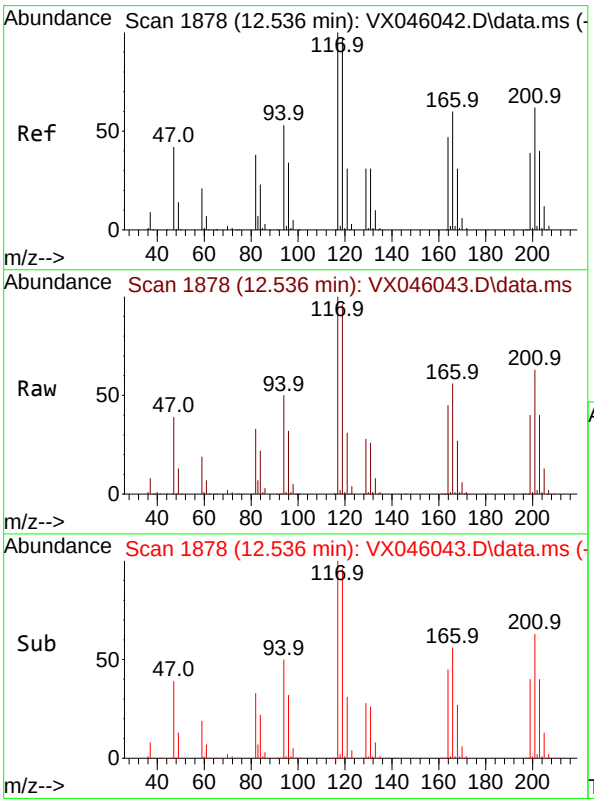
#89
n-Butylbenzene
Concen: 80.996 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

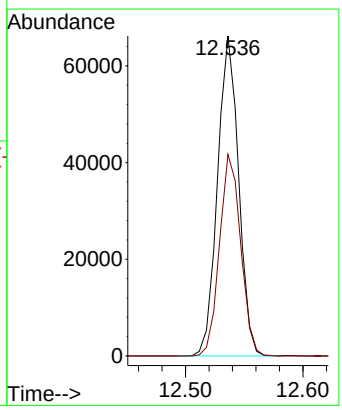


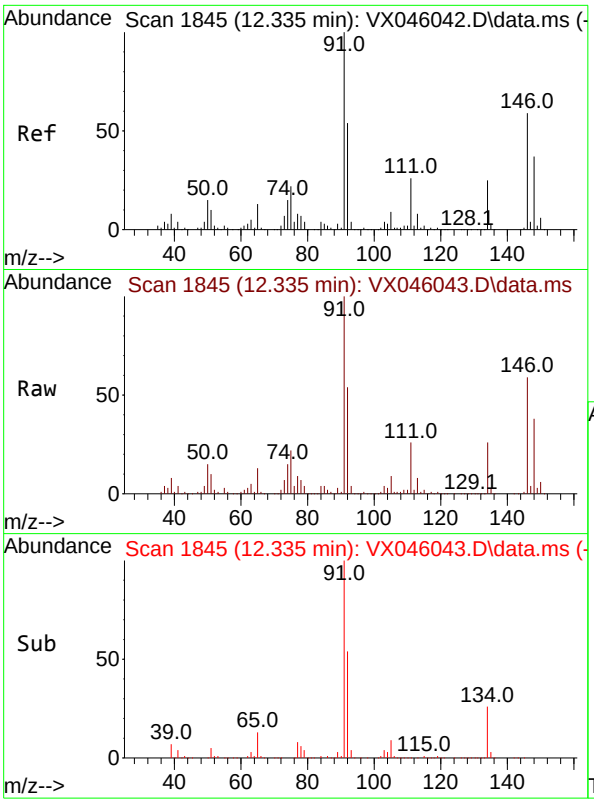


#90
Hexachloroethane
Concen: 74.978 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 82528

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.6	94.7



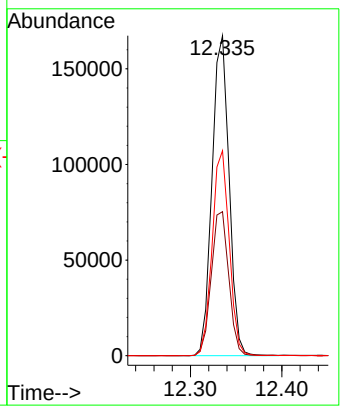


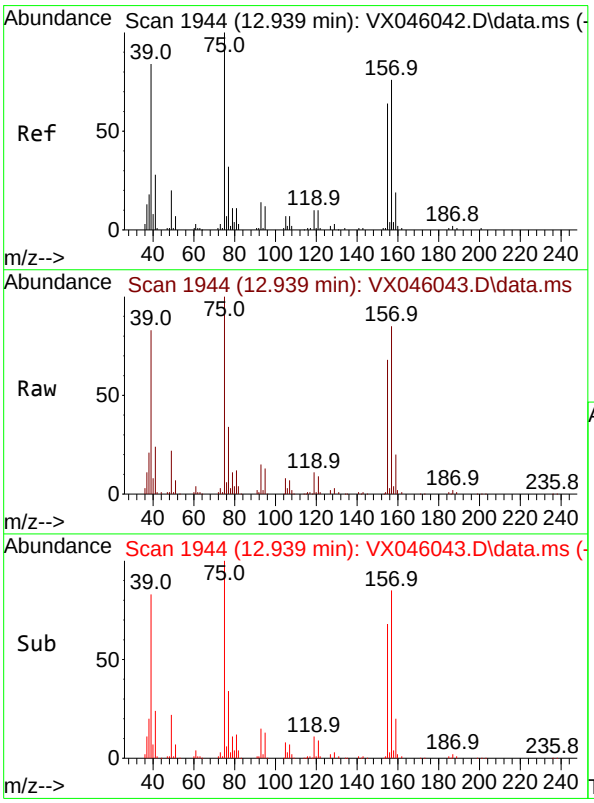
#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

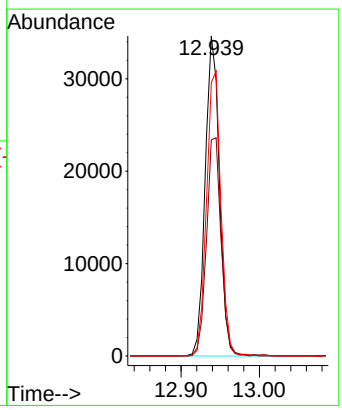


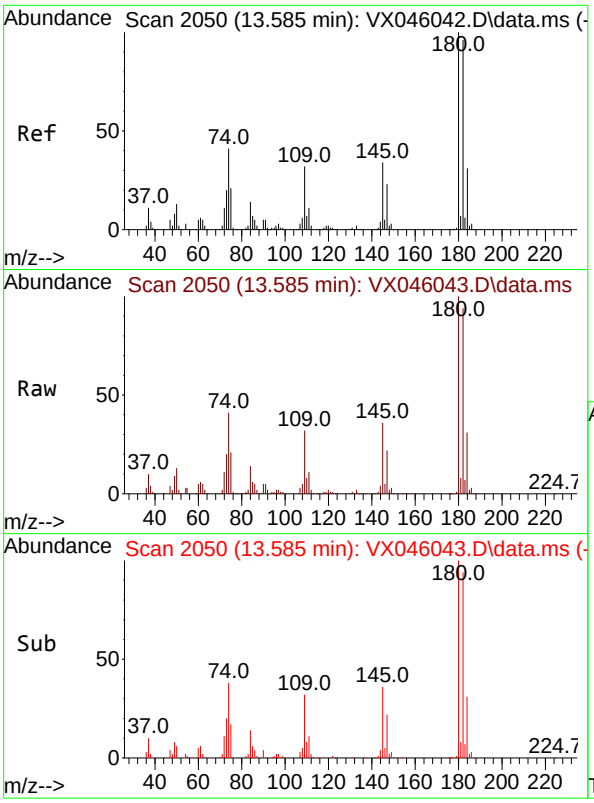


#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



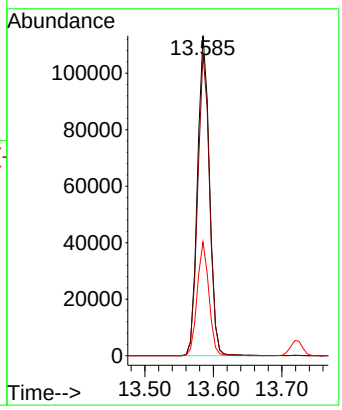


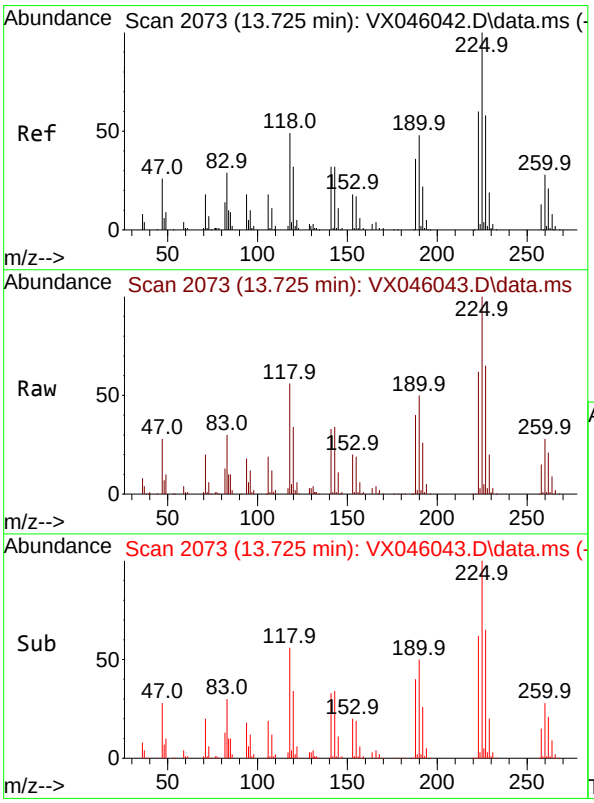
#93
1,2,4-Trichlorobenzene
Concen: 82.605 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

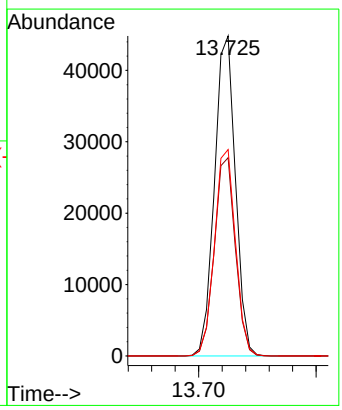


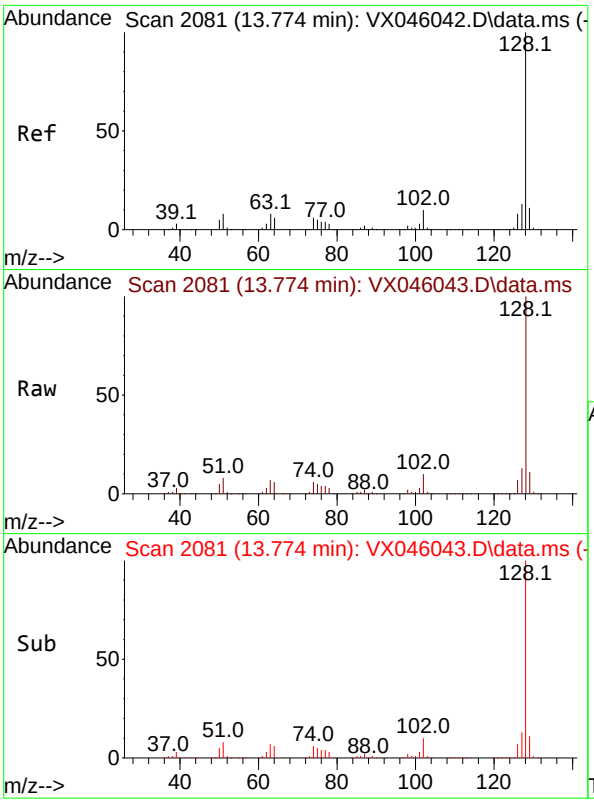


#94
Hexachlorobutadiene
Concen: 71.314 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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



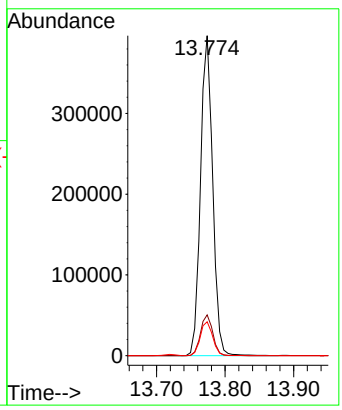


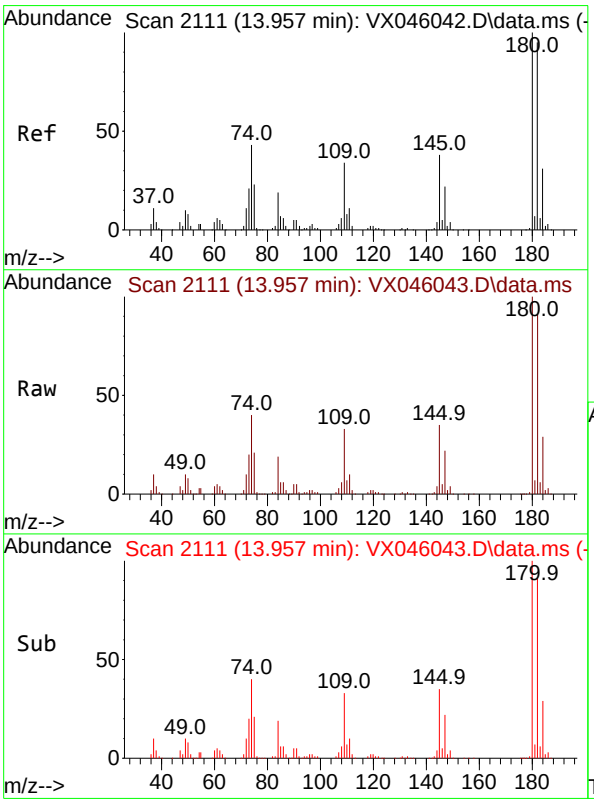
#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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

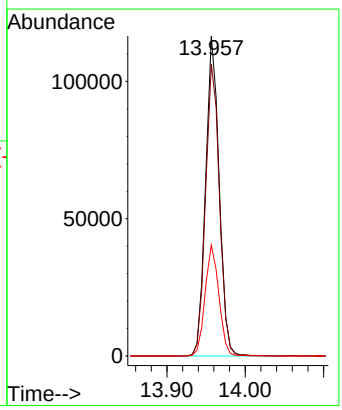




#96
1,2,3-Trichlorobenzene
Concen: 79.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

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)

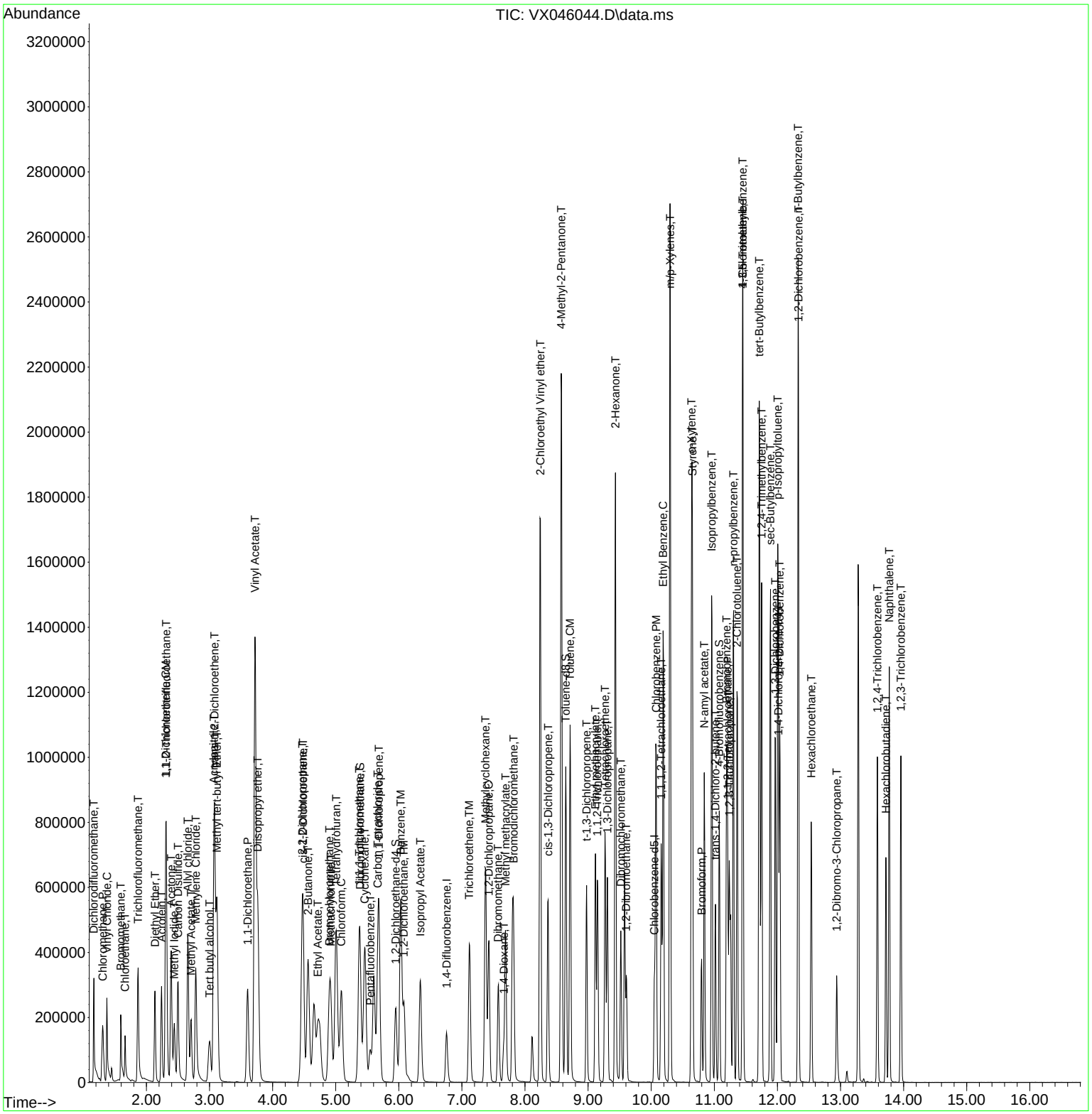
(#) = qualifier out of range (m) = manual integration (+) = signals summed

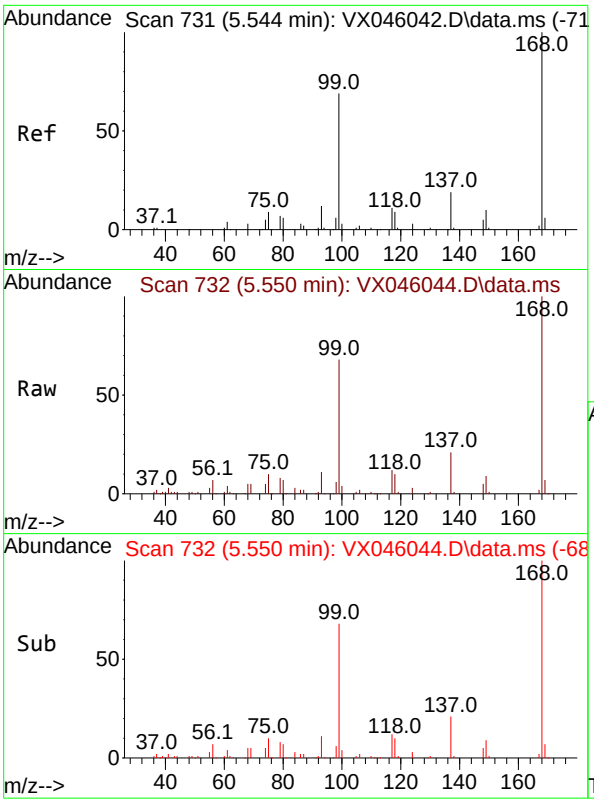
Quantitation Report (Not Reviewed)

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



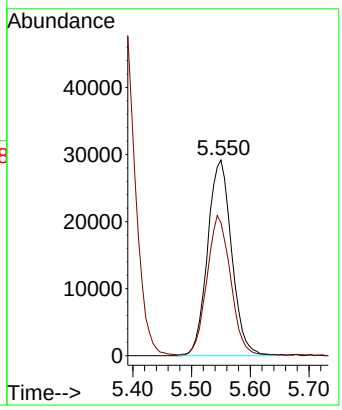


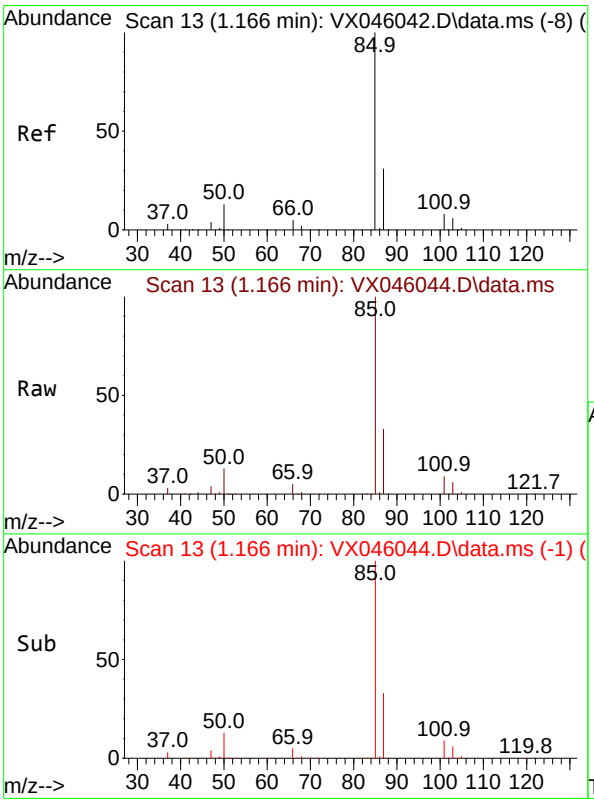
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 82963

Ion	Ratio	Lower	Upper
168	100		
99	67.6	54.9	82.3

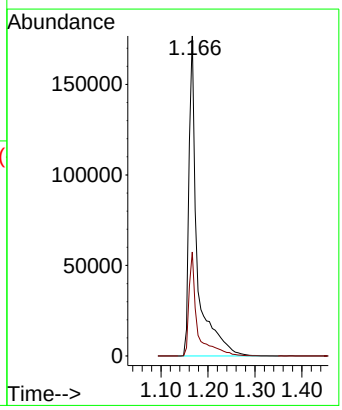


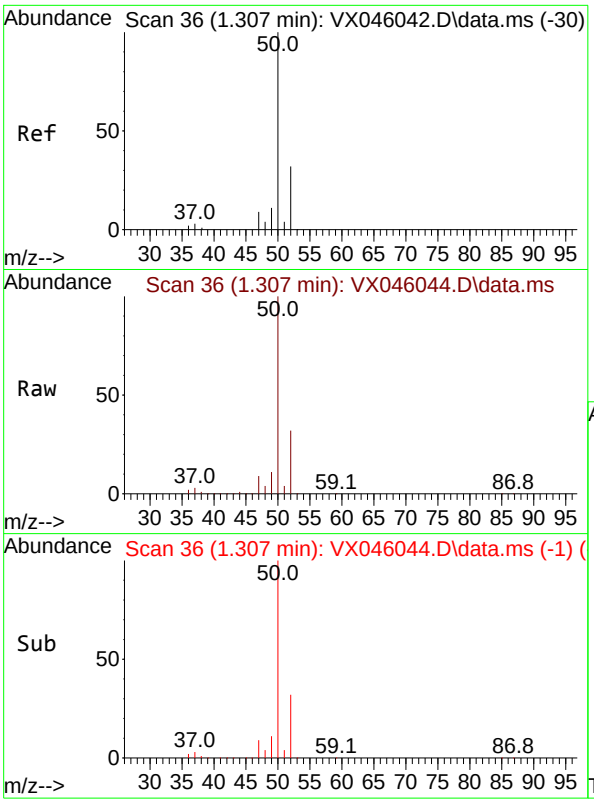


#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1



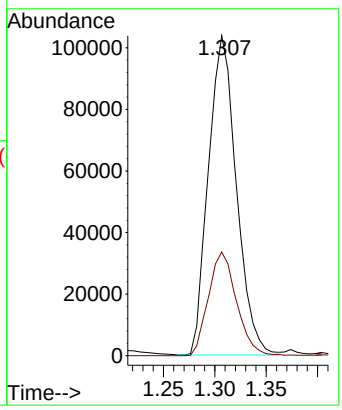


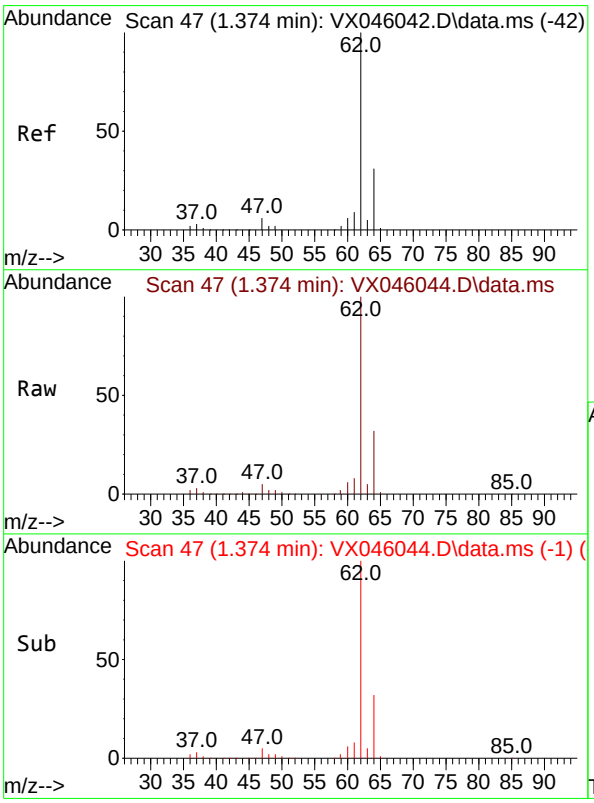
#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 196843

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2

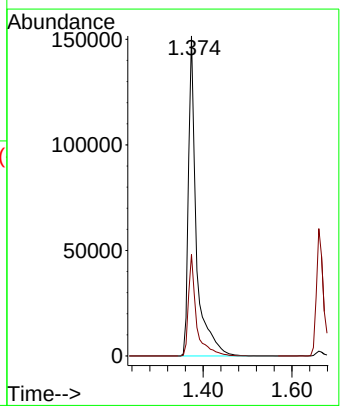


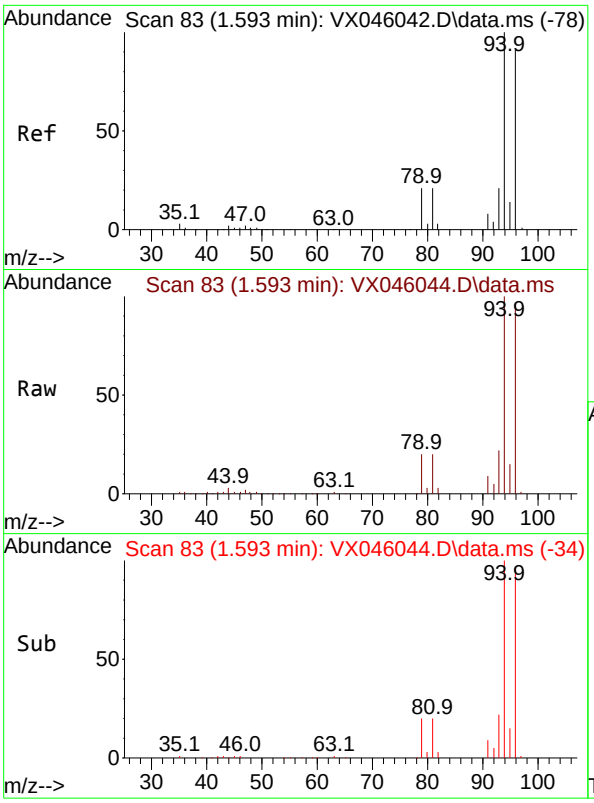


#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 187924

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.2	37.8



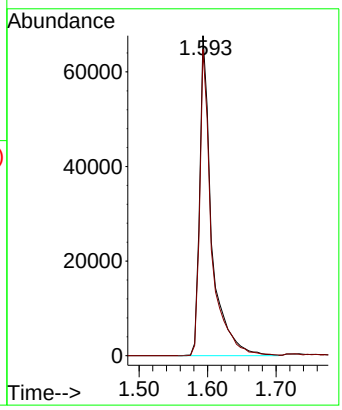


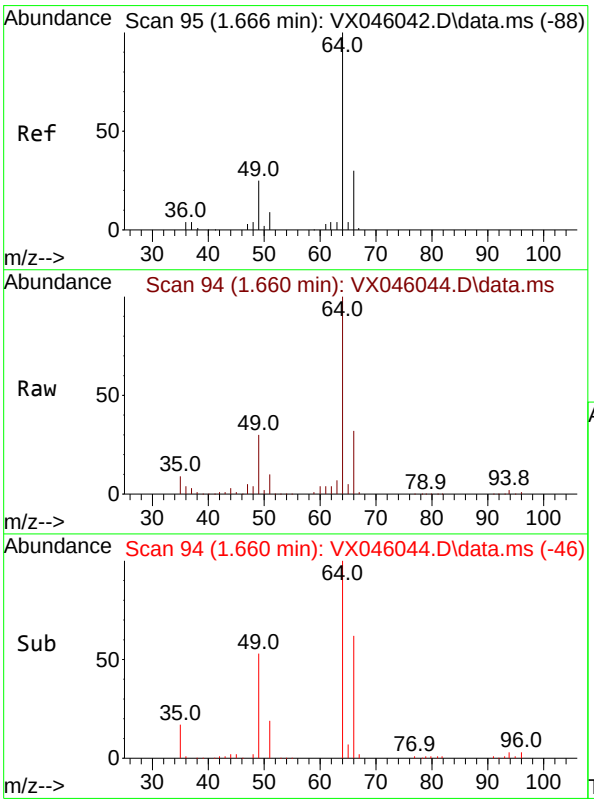
#5
Bromomethane
Concen: 103.625 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 83008

Ion	Ratio	Lower	Upper
94	100		
96	95.8	72.8	109.2

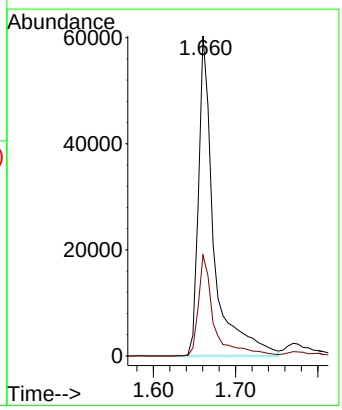


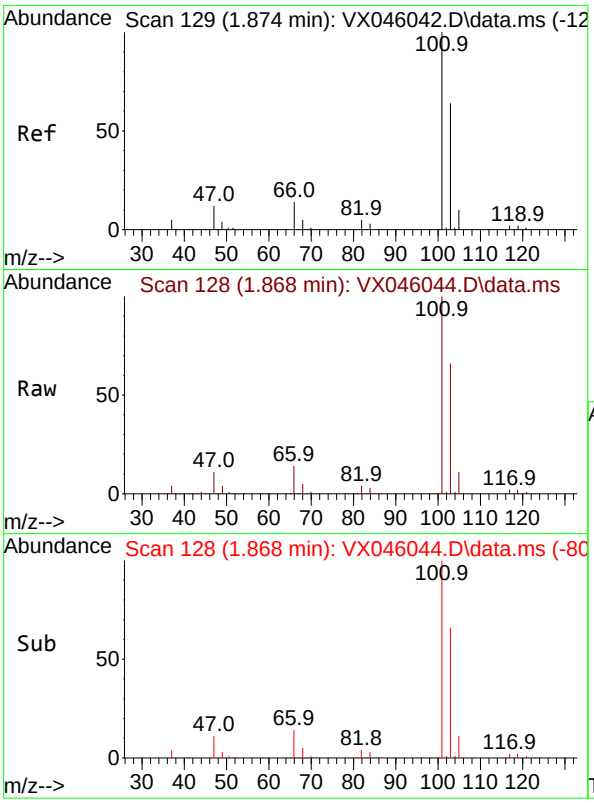


#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 64 Resp: 78806

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5



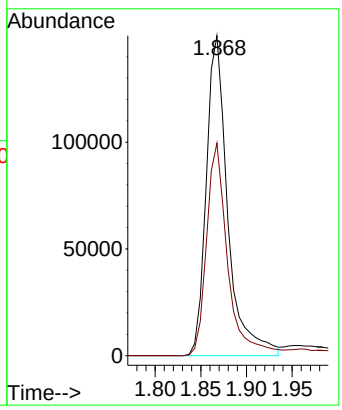


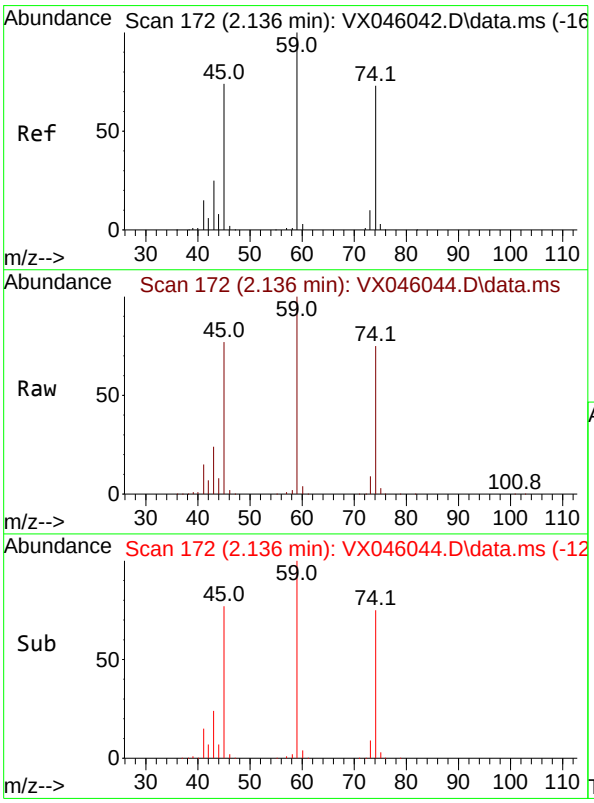
#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 245108

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.0	76.4

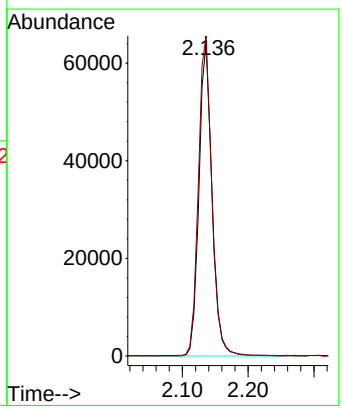


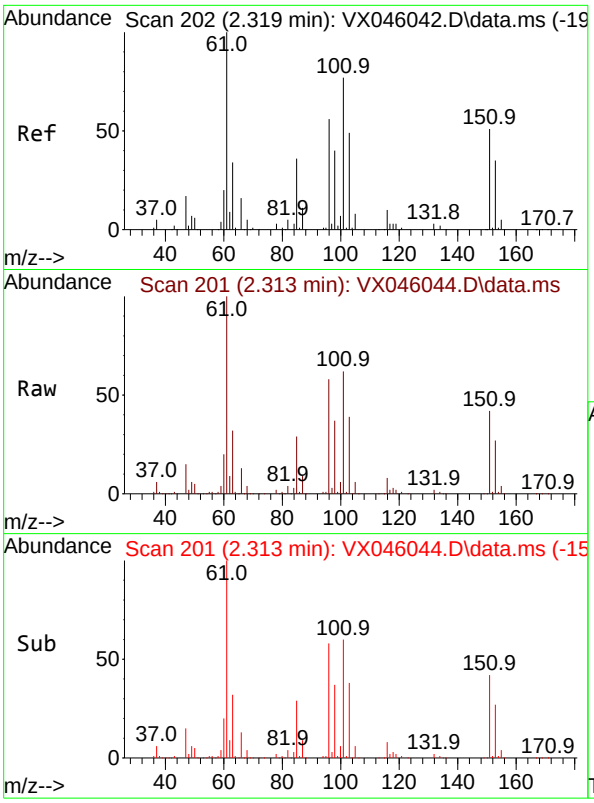


#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 74 Resp: 88441

Ion	Ratio	Lower	Upper
74	100		
45	104.7	54.9	164.8



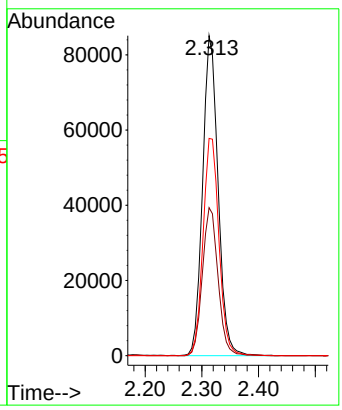


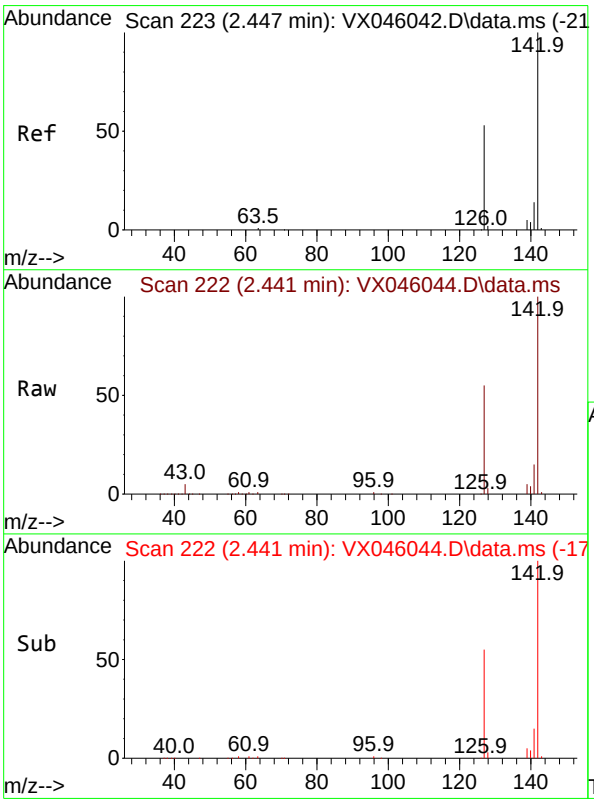
#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.243 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

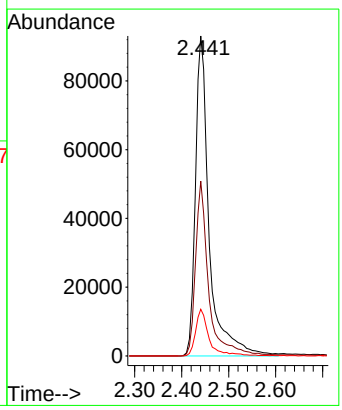


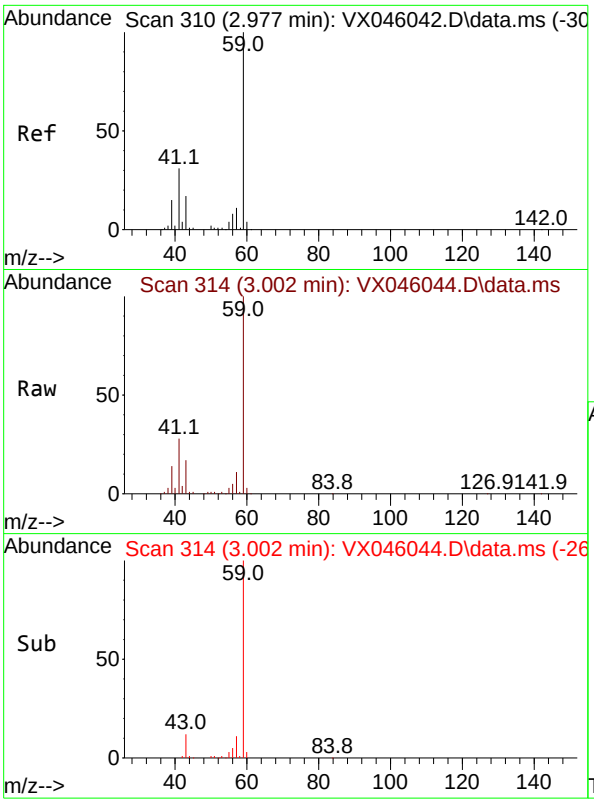


#10
Methyl Iodide
Concen: 112.441 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



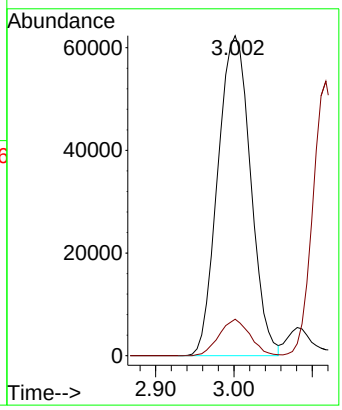


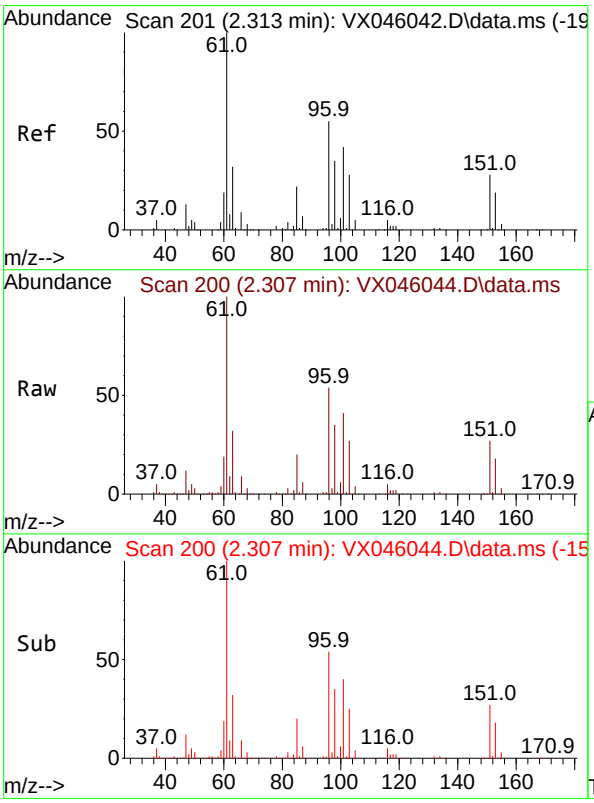
#11
Tert butyl alcohol
Concen: 616.119 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.024 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 181238

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

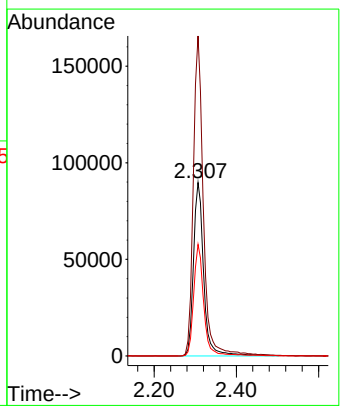


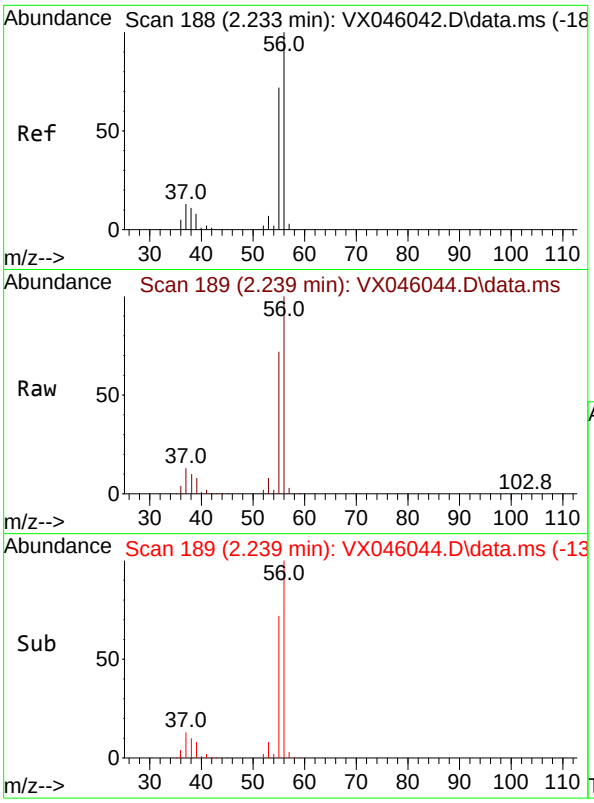


#12
1,1-Dichloroethene
Concen: 111.039 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



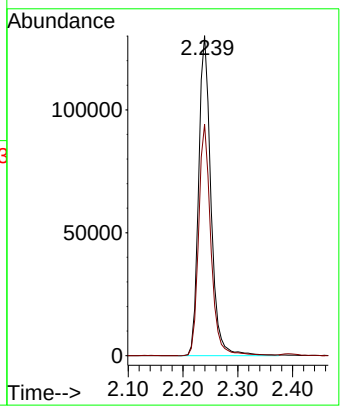


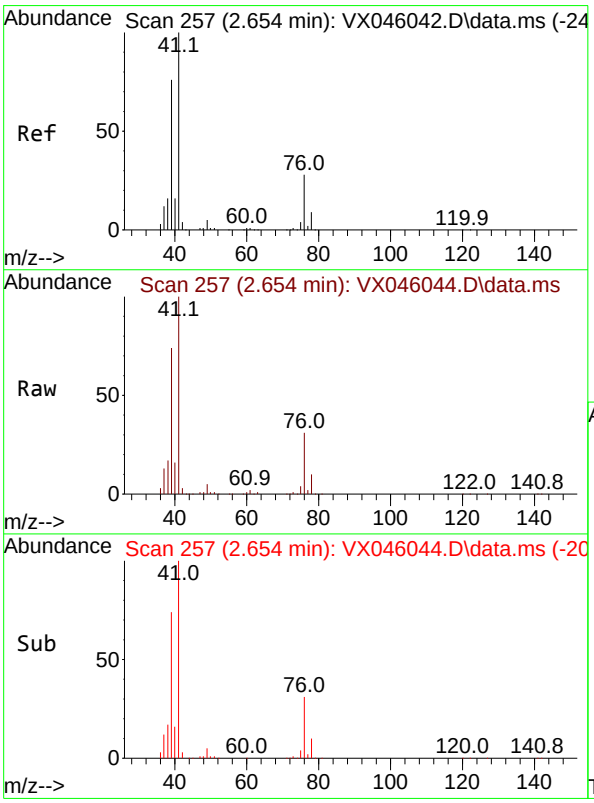
#13
Acrolein
Concen: 594.872 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 203257

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4

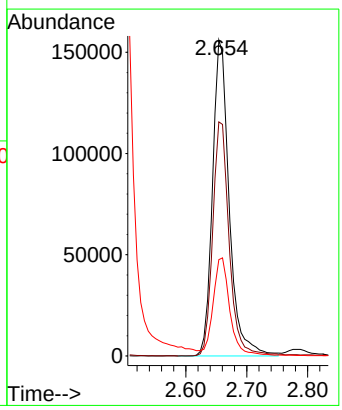


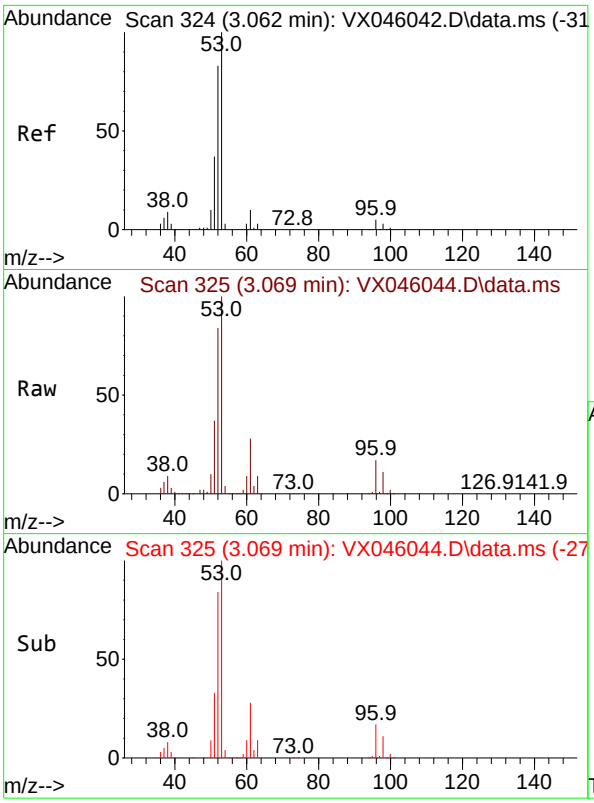


#14
Allyl chloride
Concen: 112.561 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



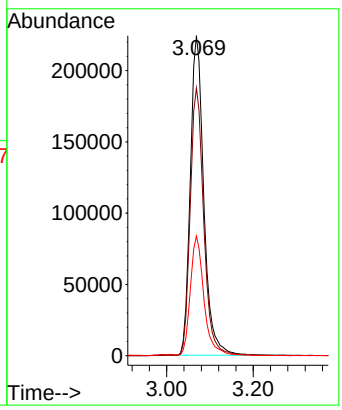


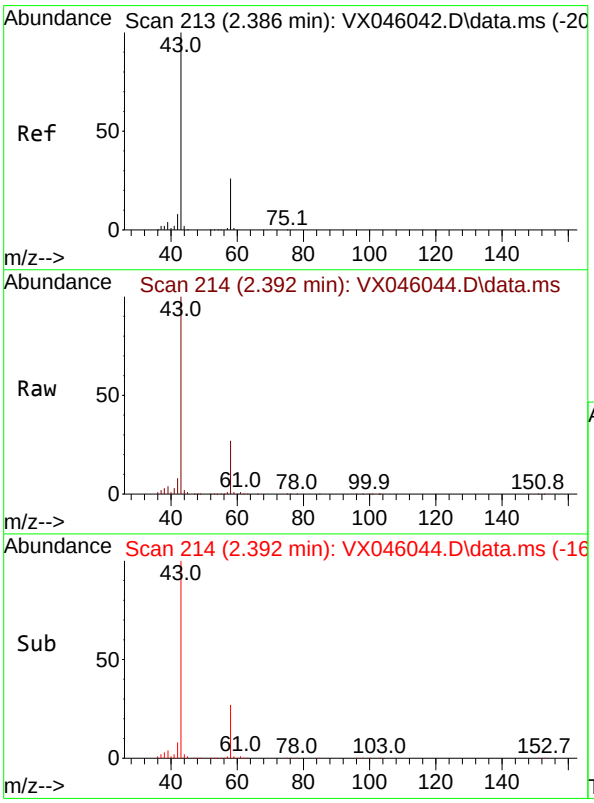
#15
Acrylonitrile
Concen: 550.973 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

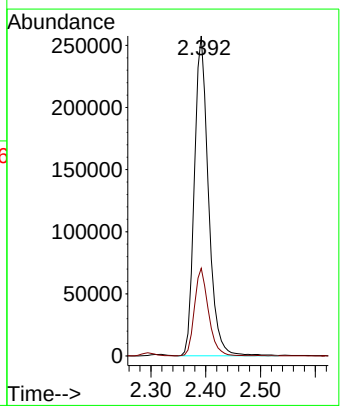


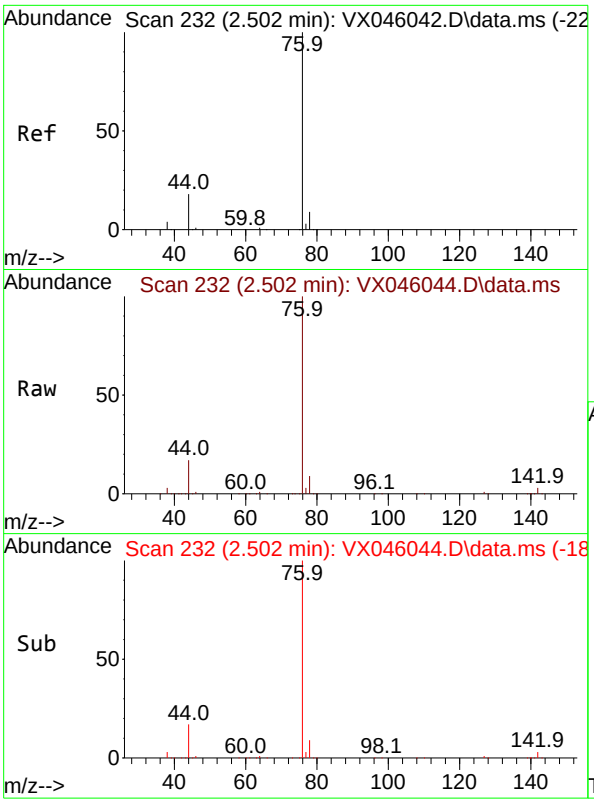


#16
Acetone
Concen: 545.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 460820

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8



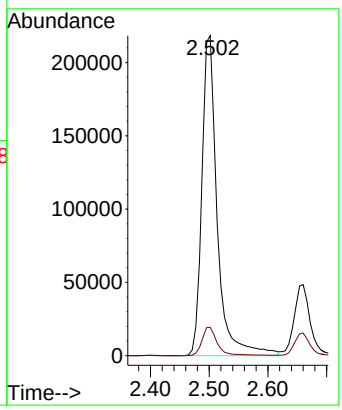


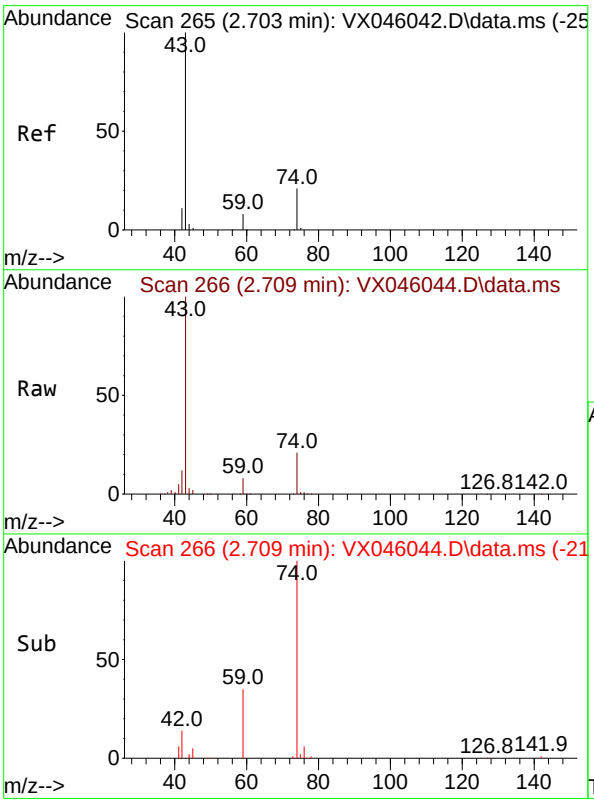
#17
Carbon Disulfide
Concen: 122.499 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 397353

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

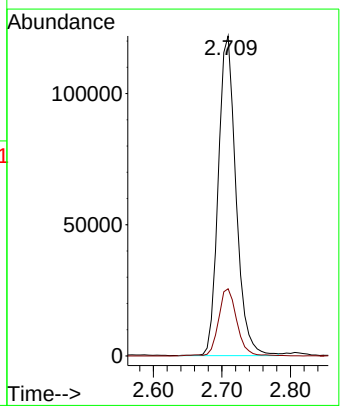


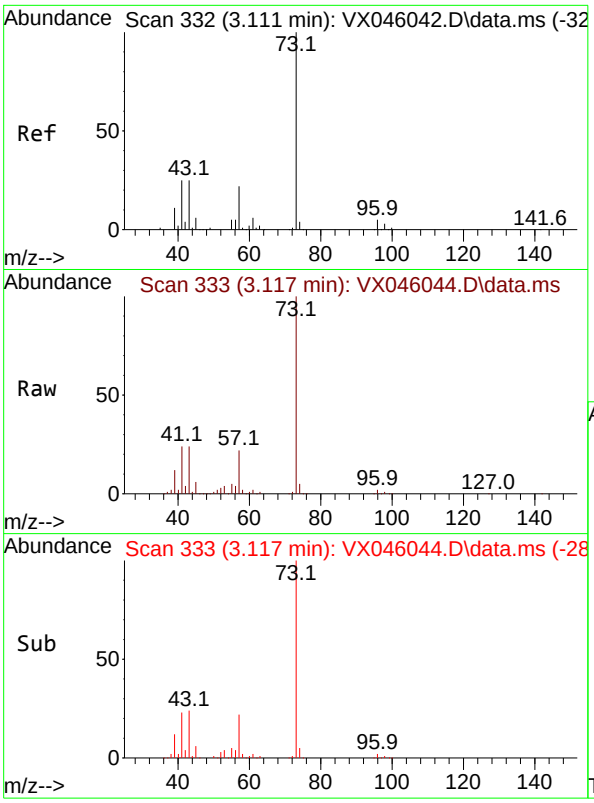


#18
Methyl Acetate
Concen: 108.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 217885

Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.7	25.1



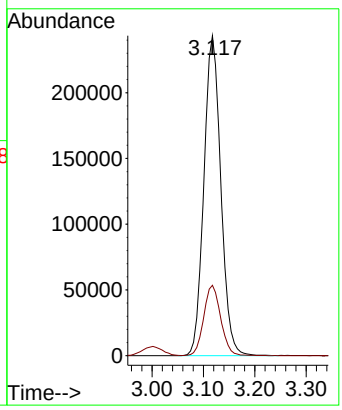


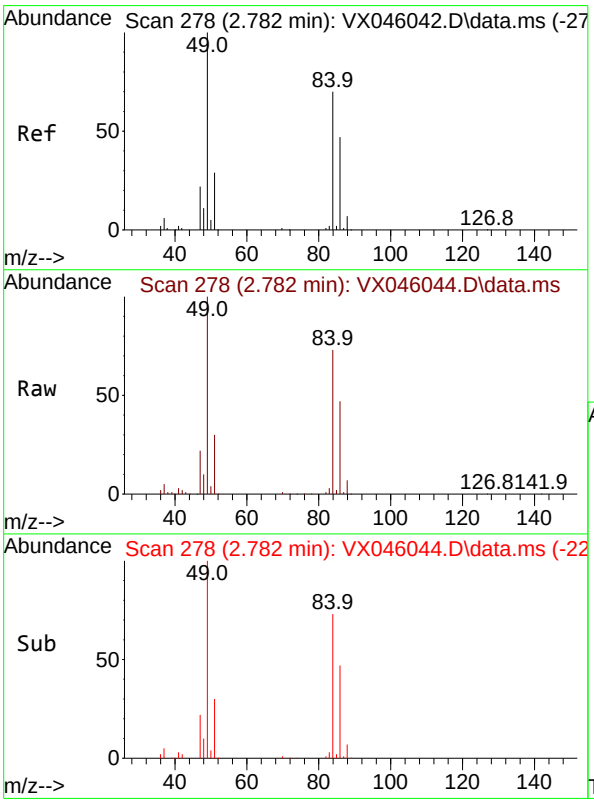
#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 557210

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

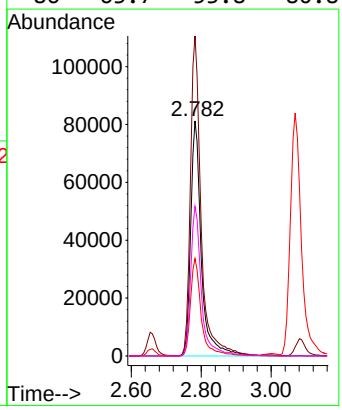


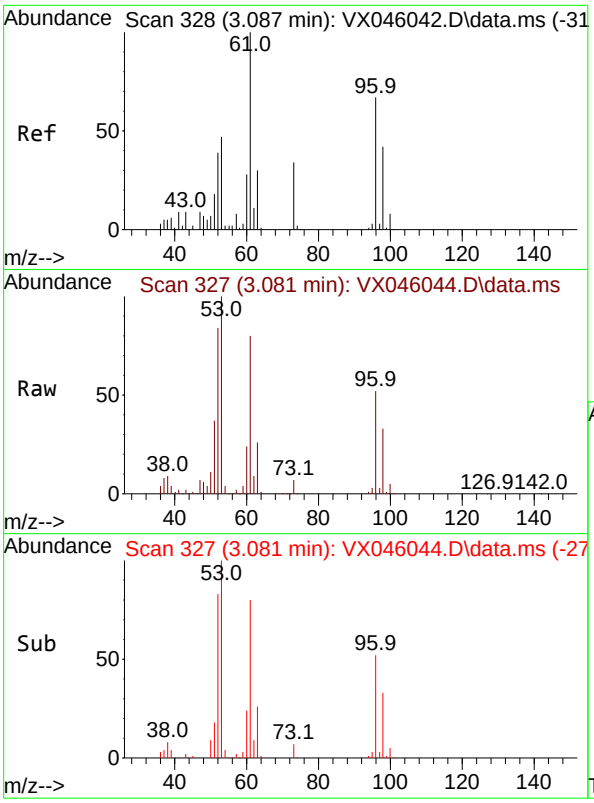


#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



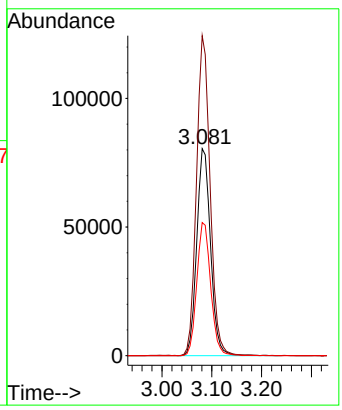


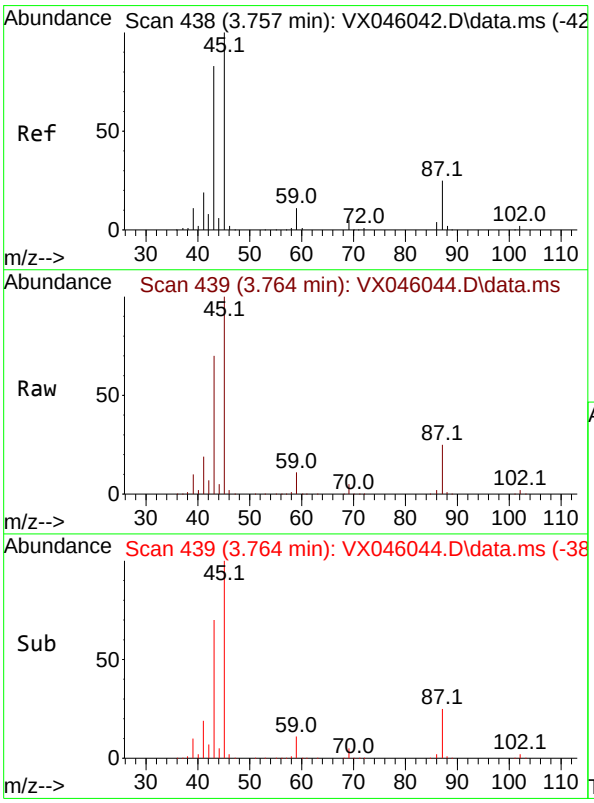
#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

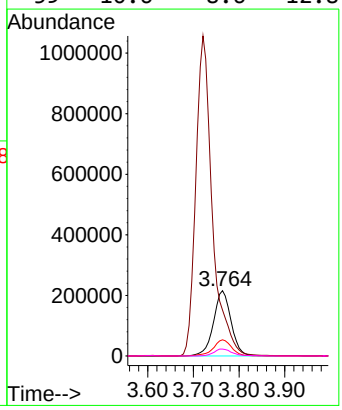


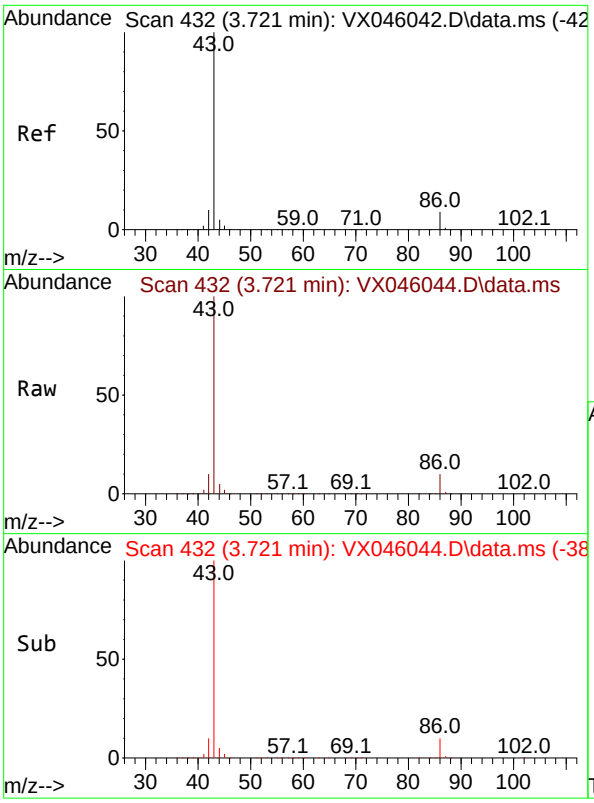


#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



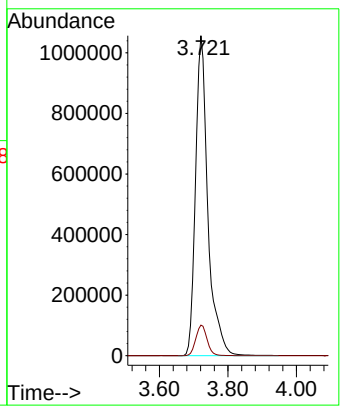


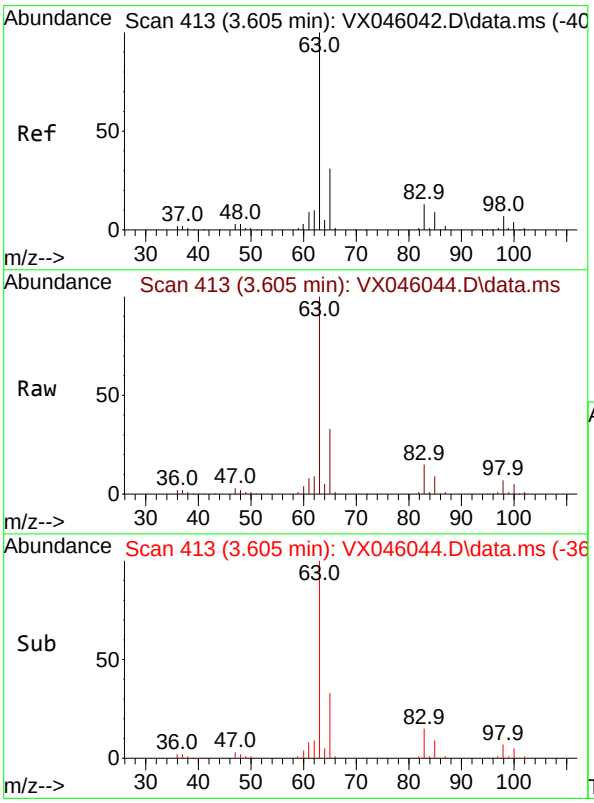
#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2655751

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

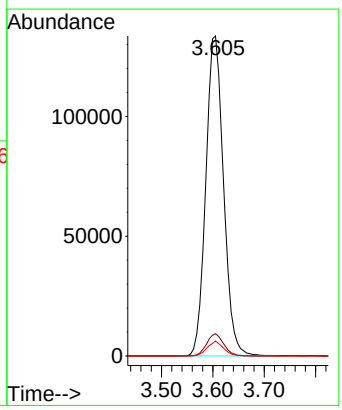


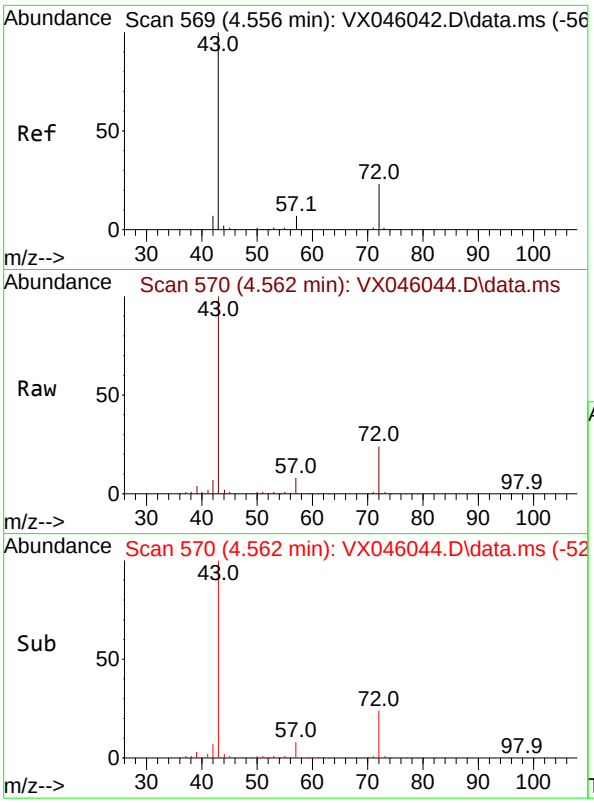


#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



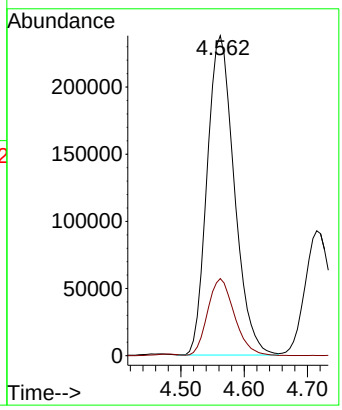


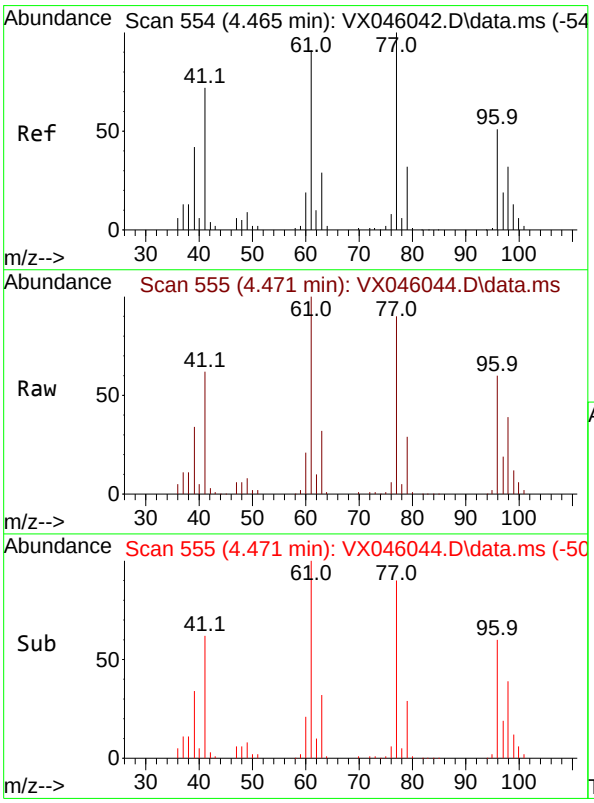
#25
2-Butanone
Concen: 581.292 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 708463

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.4	27.6

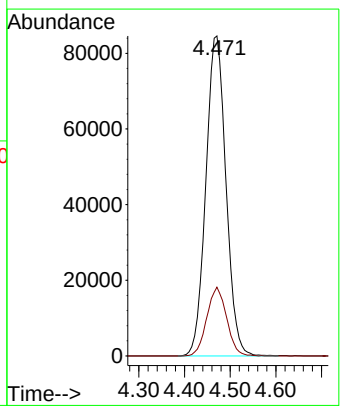


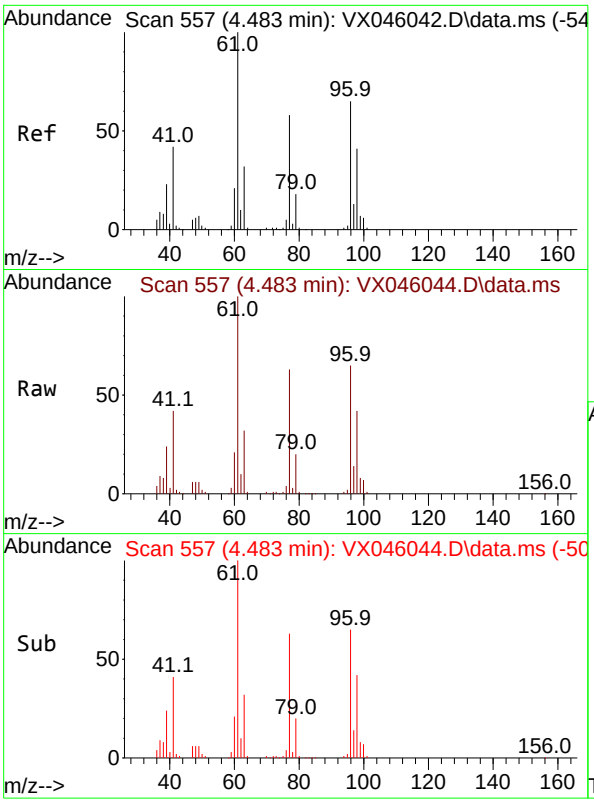


#26
2,2-Dichloropropane
Concen: 117.548 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 77 Resp: 258698

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5



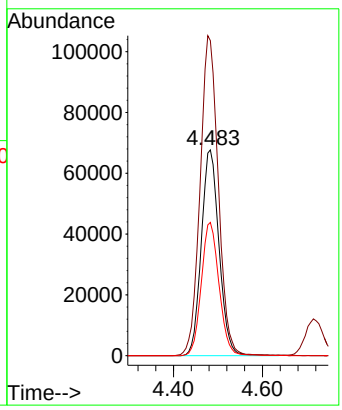


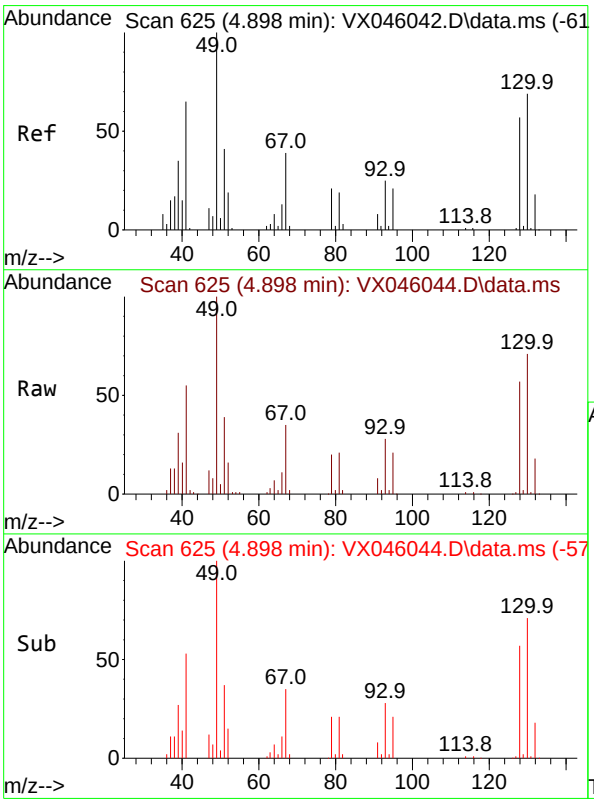
#27
cis-1,2-Dichloroethene
Concen: 108.994 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

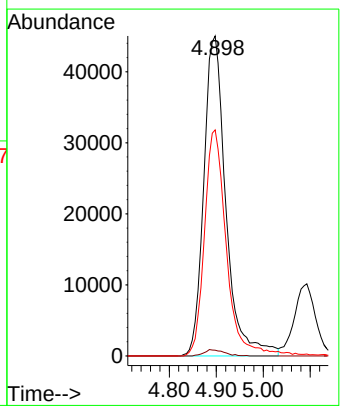


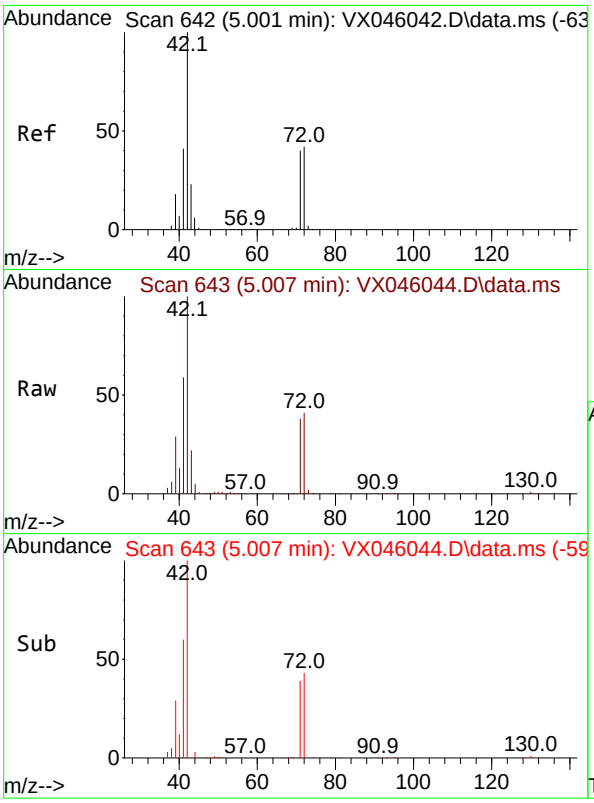


#28
Bromochloromethane
Concen: 95.108 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



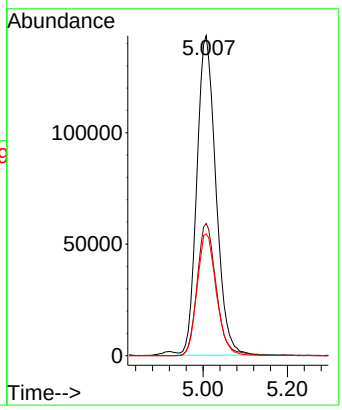


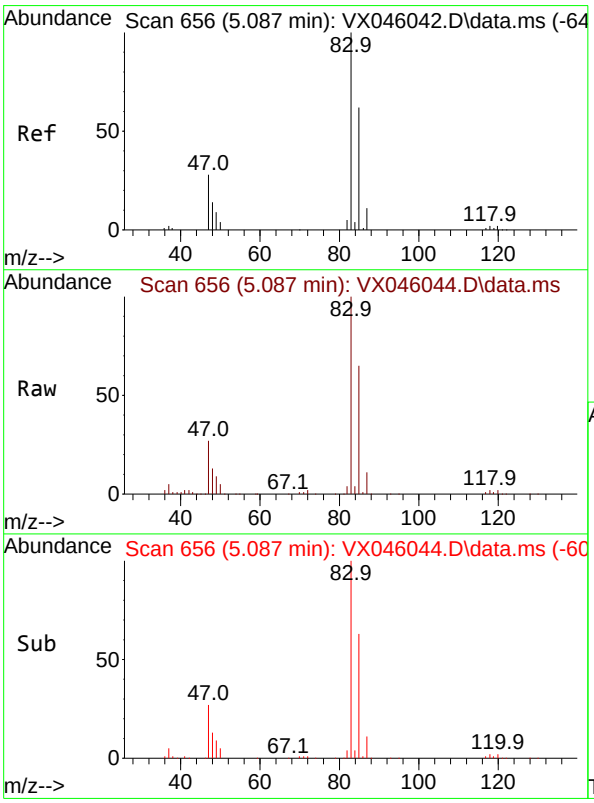
#29
Tetrahydrofuran
Concen: 569.081 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

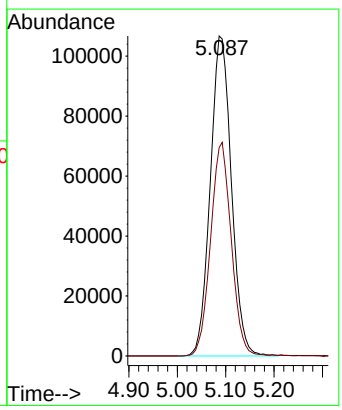


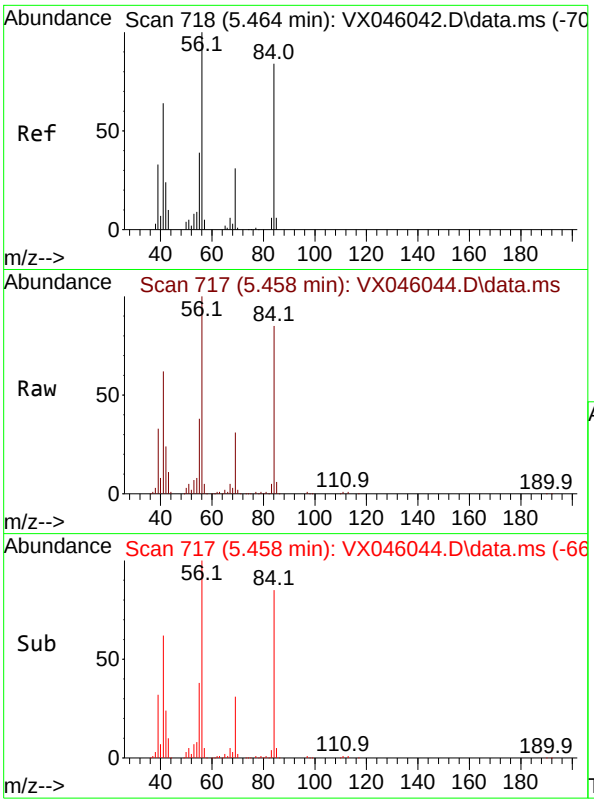


#30
Chloroform
Concen: 107.208 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 323659

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9



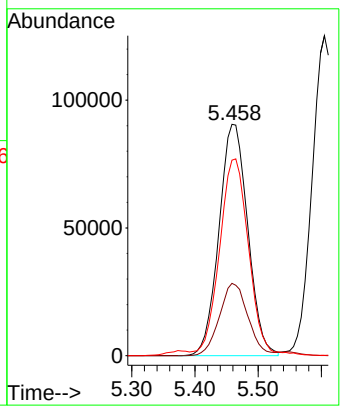


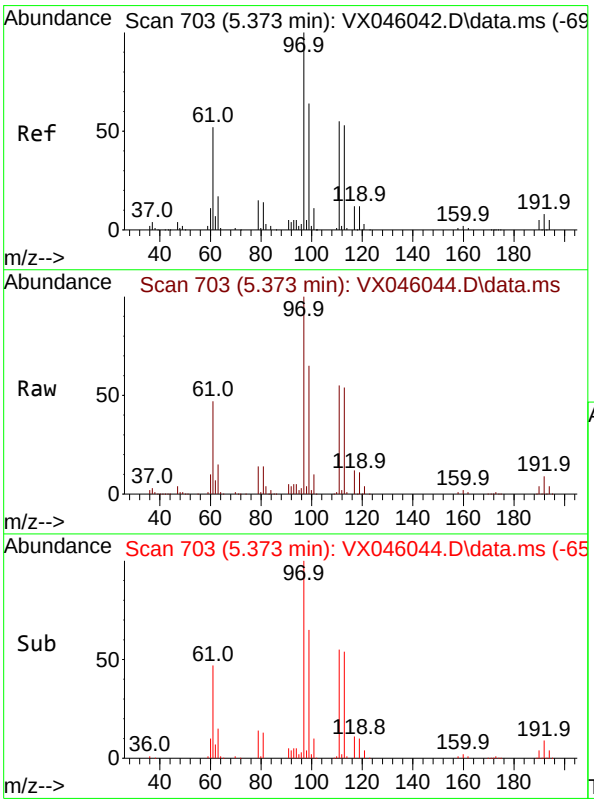
#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

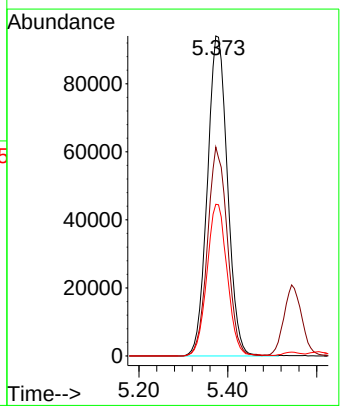


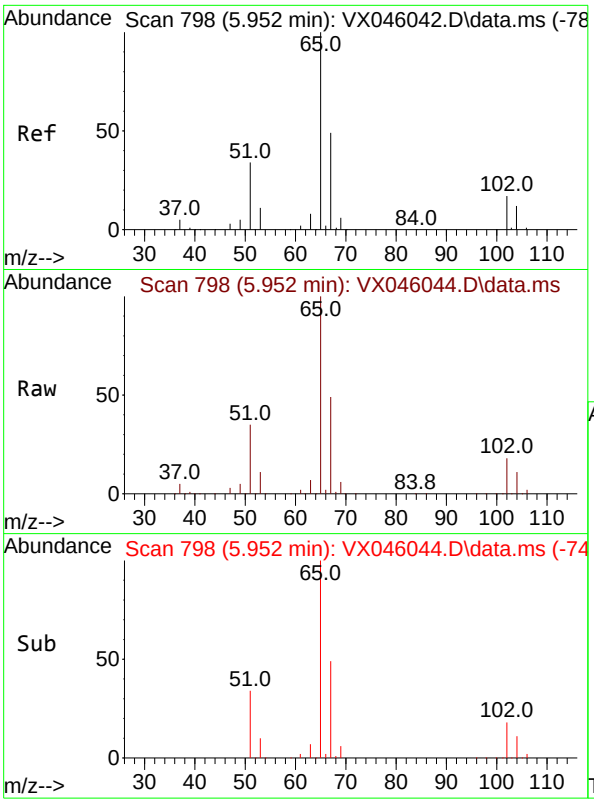


#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



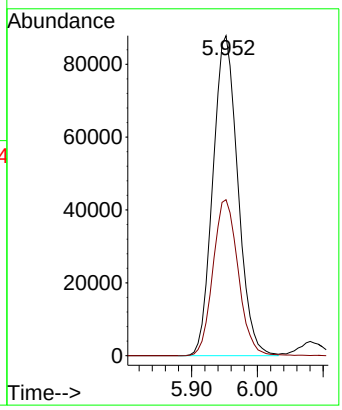


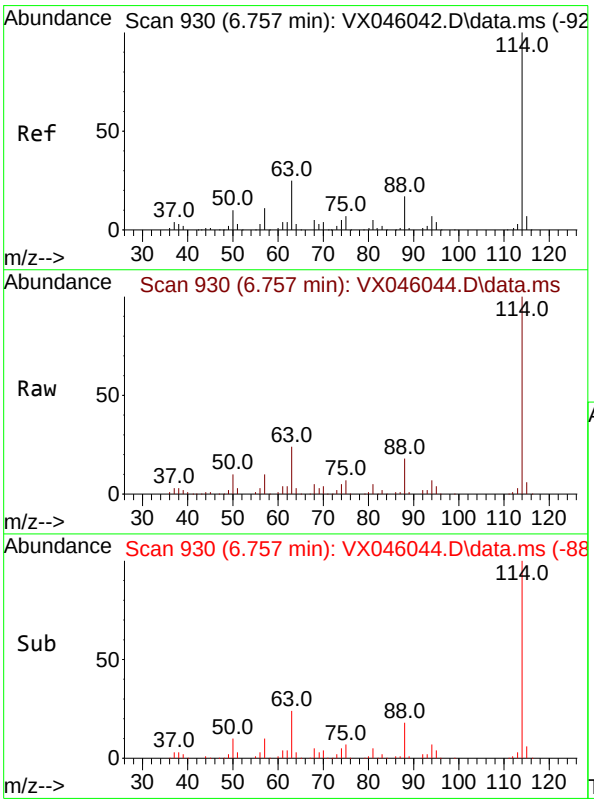
#33
1,2-Dichloroethane-d4
Concen: 93.983 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 231952

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

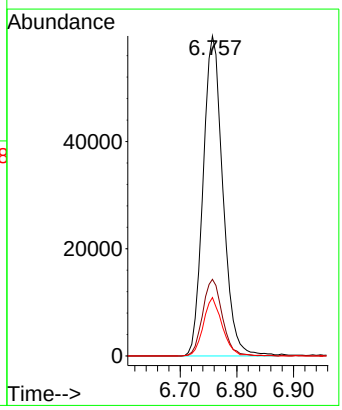


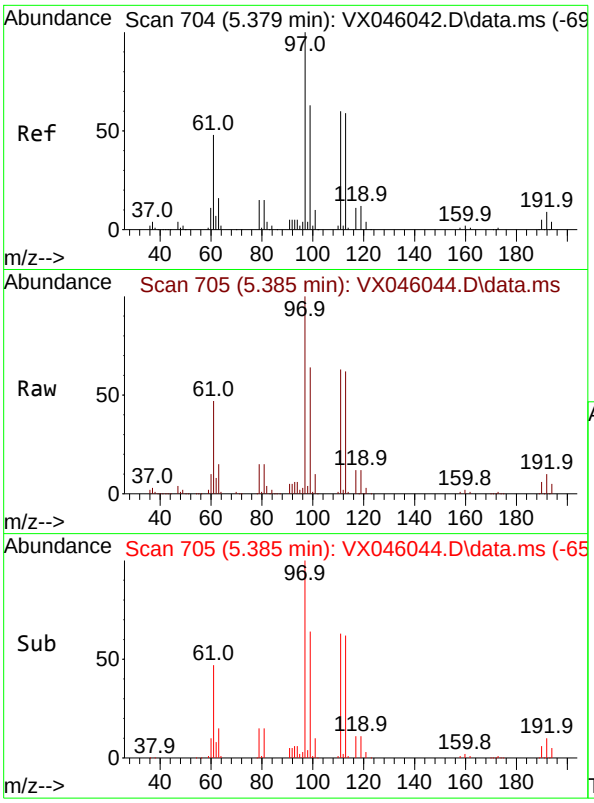


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



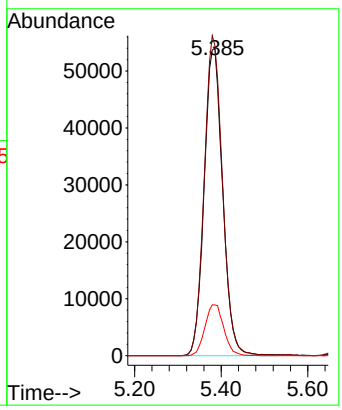


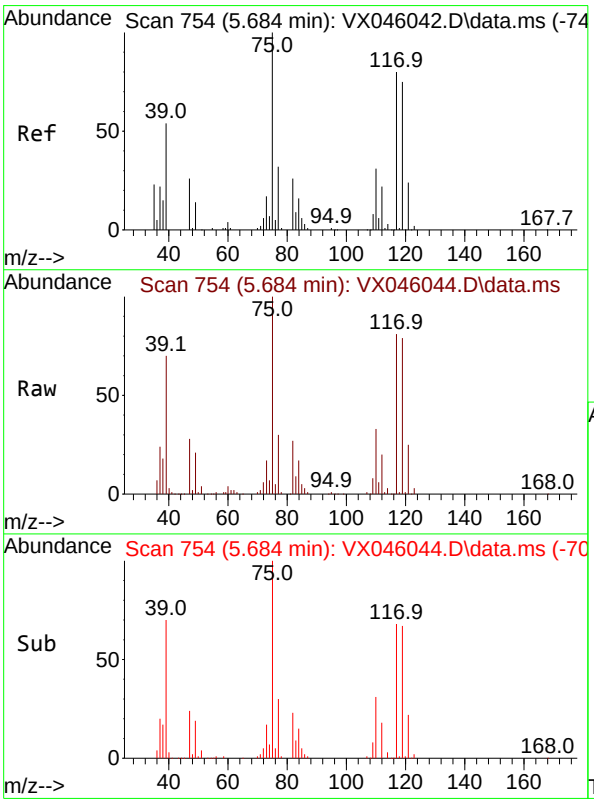
#35
Dibromofluoromethane
Concen: 98.562 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

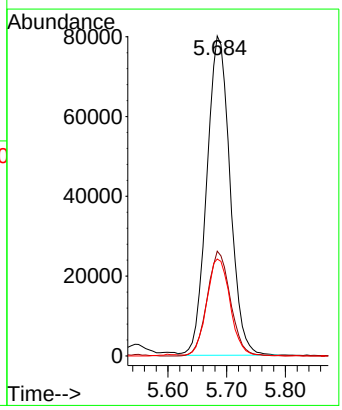


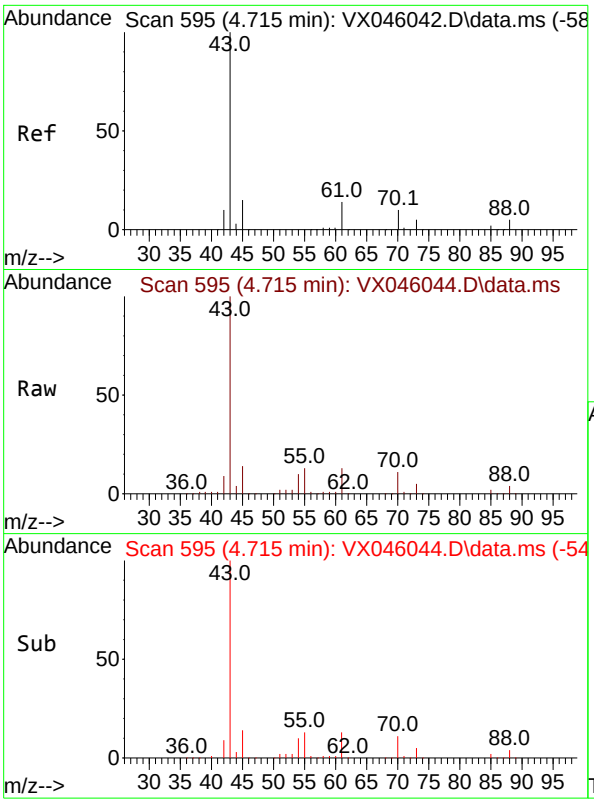


#36
1,1-Dichloropropene
Concen: 116.462 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



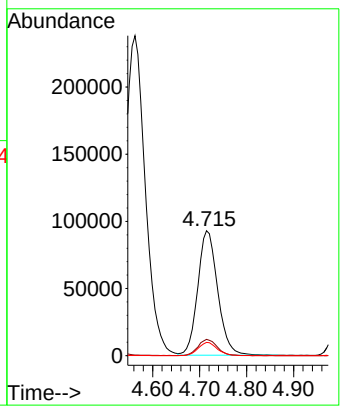


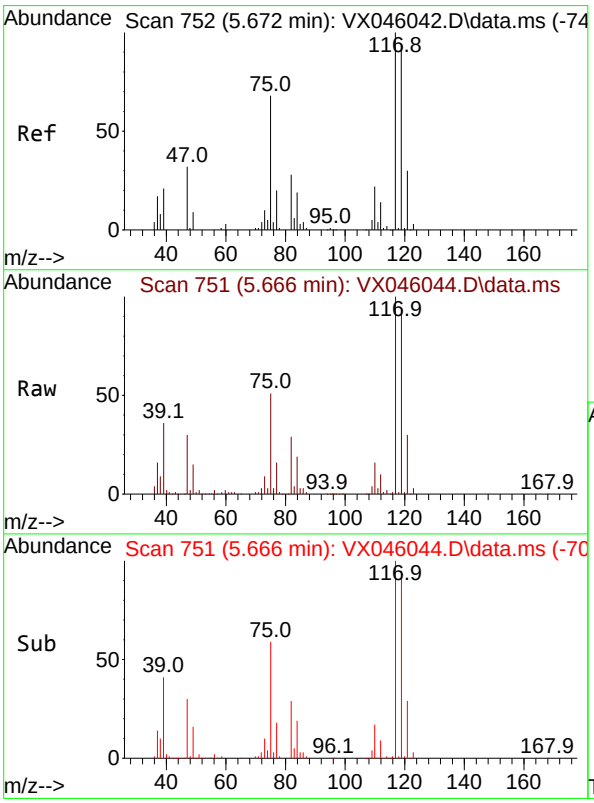
#37
Ethyl Acetate
Concen: 115.889 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

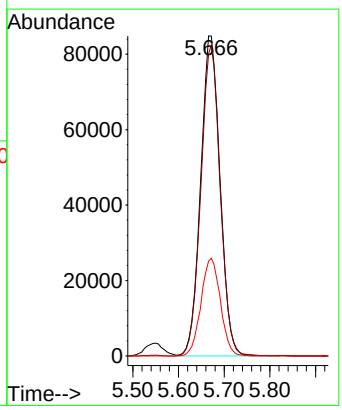


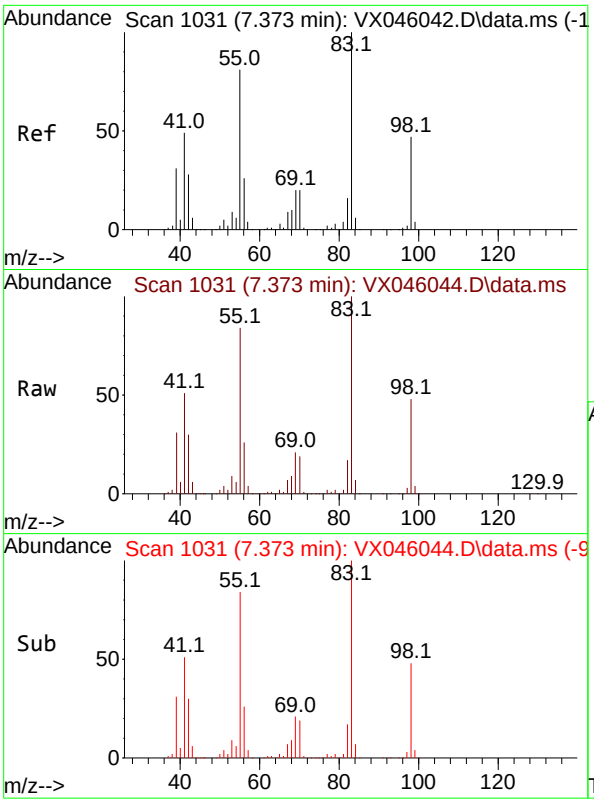


#38
Carbon Tetrachloride
Concen: 115.760 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



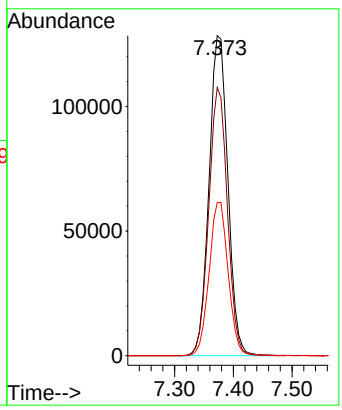


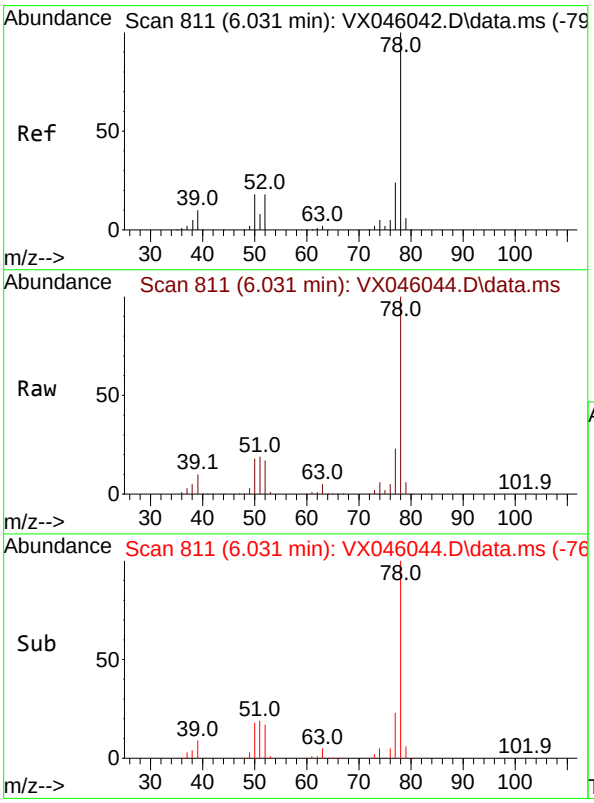
#39
Methylcyclohexane
Concen: 121.107 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

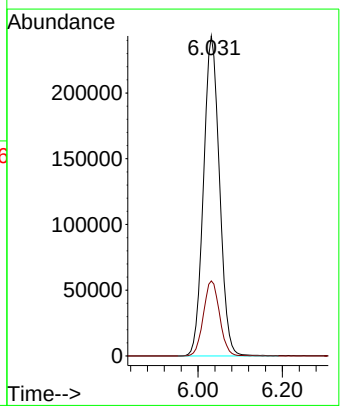


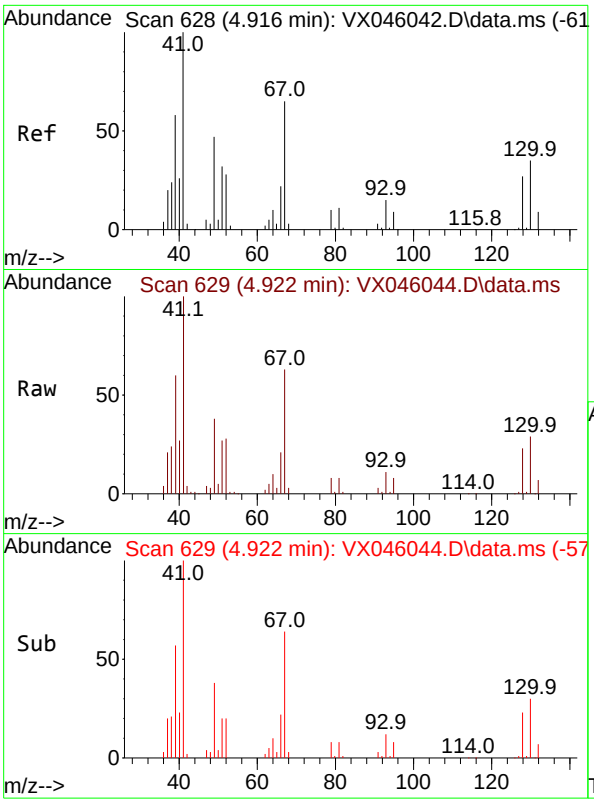


#40
Benzene
Concen: 109.813 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 78 Resp: 642178

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4



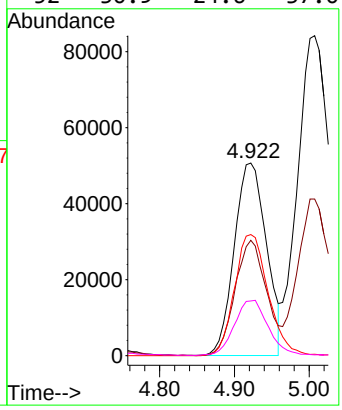


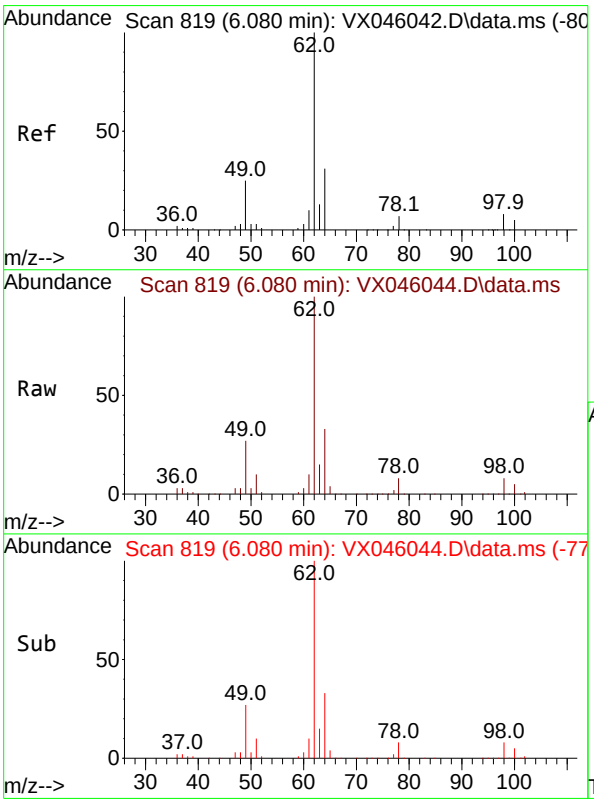
#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

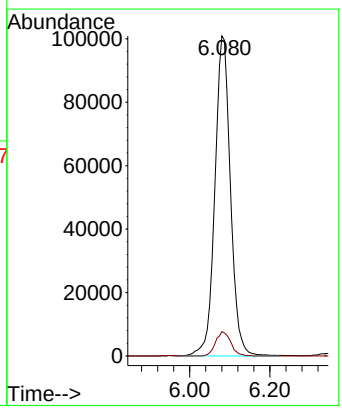


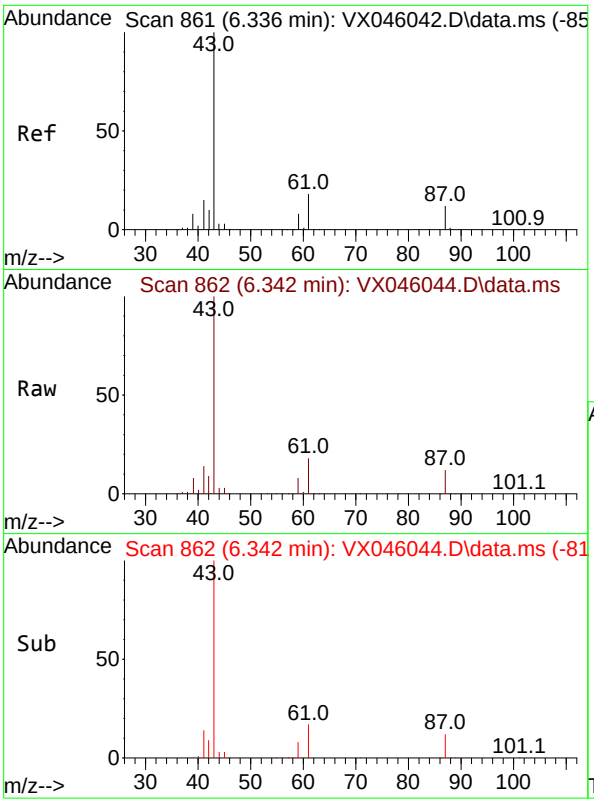


#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 271992

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2



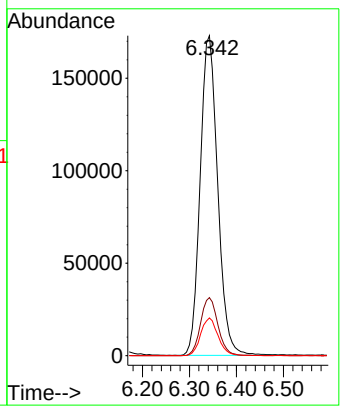


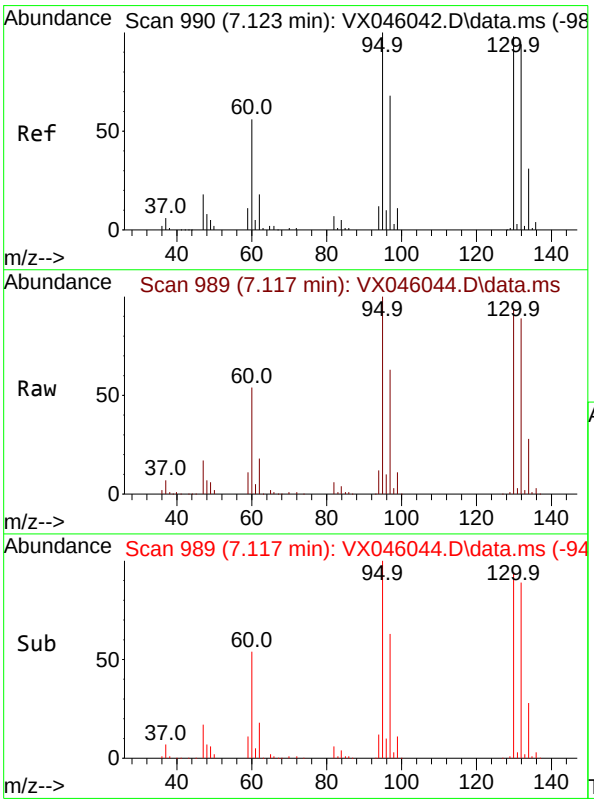
#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

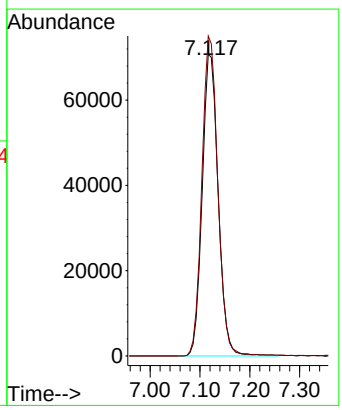


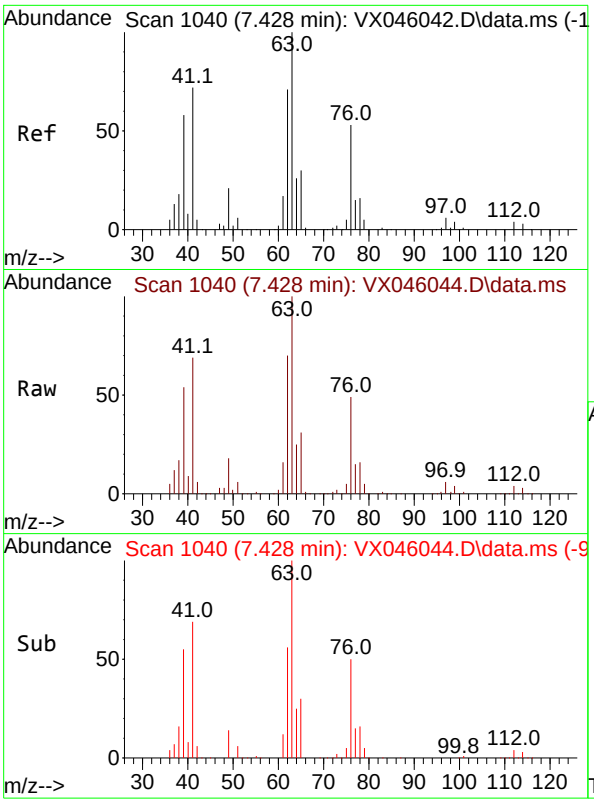


#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:130 Resp: 157641

Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	204.2



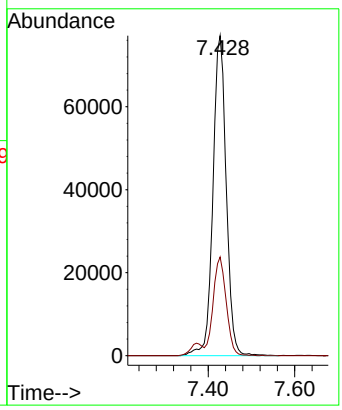


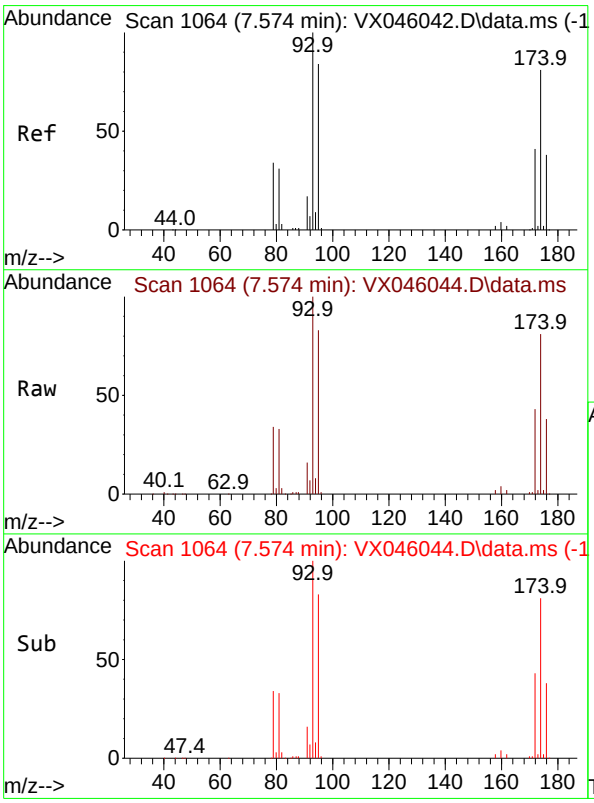
#45
1,2-Dichloropropane
Concen: 113.217 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 164505

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1

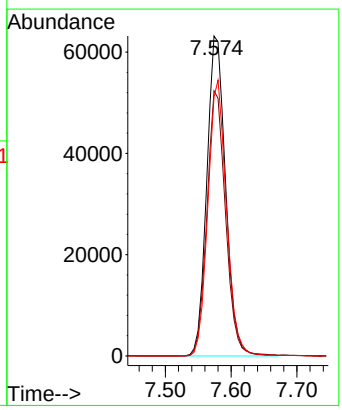


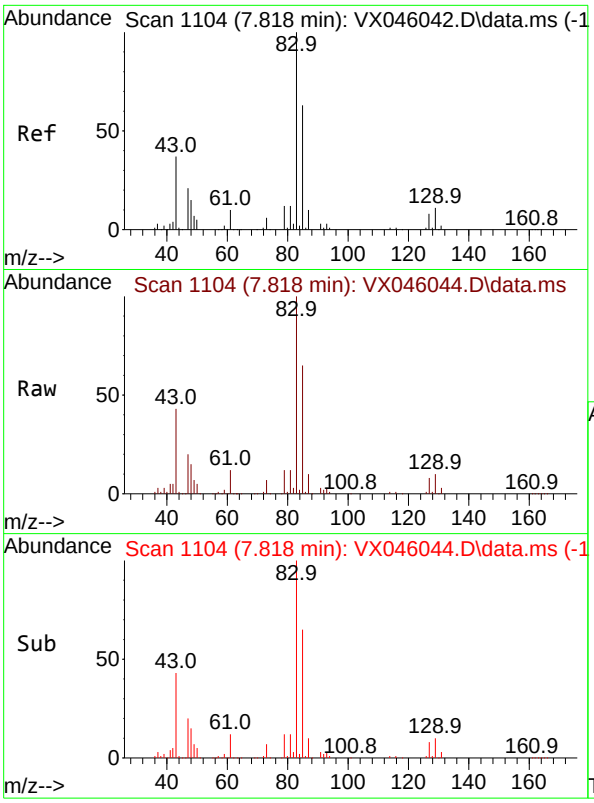


#46
Dibromomethane
Concen: 109.869 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



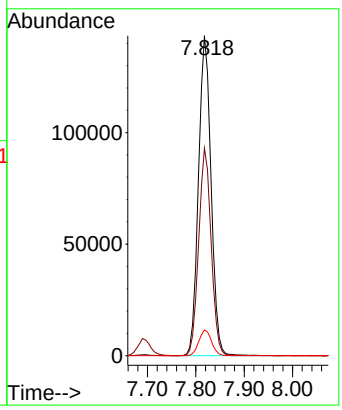


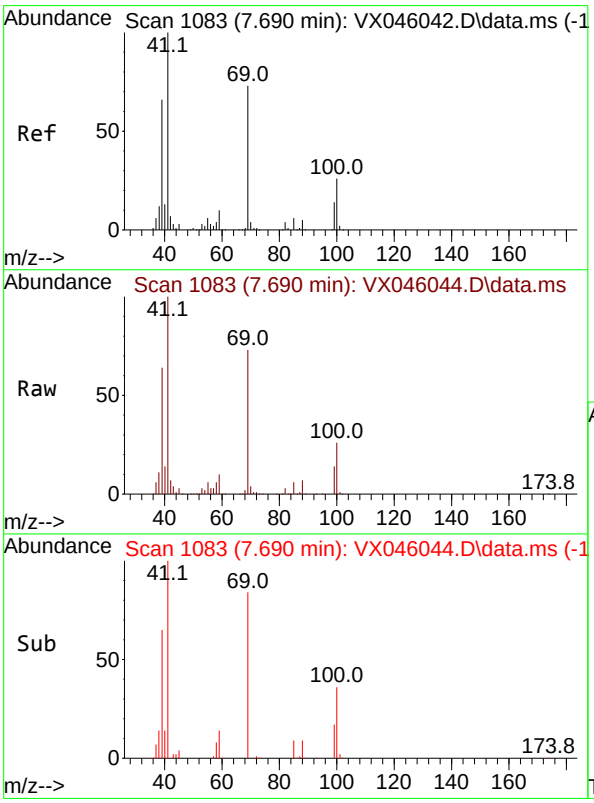
#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

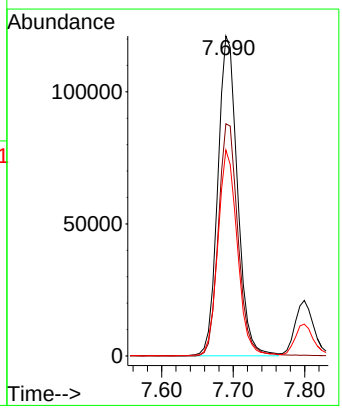


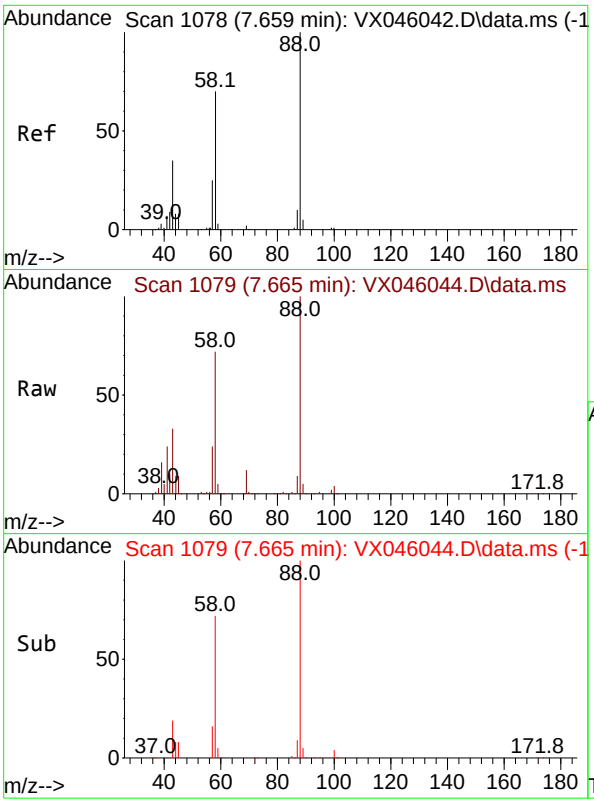


#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



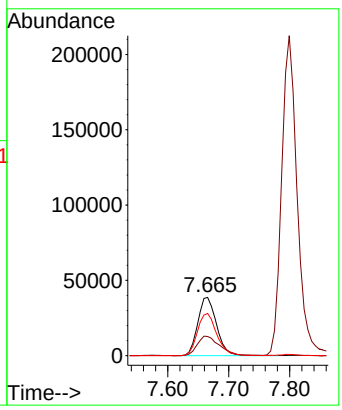


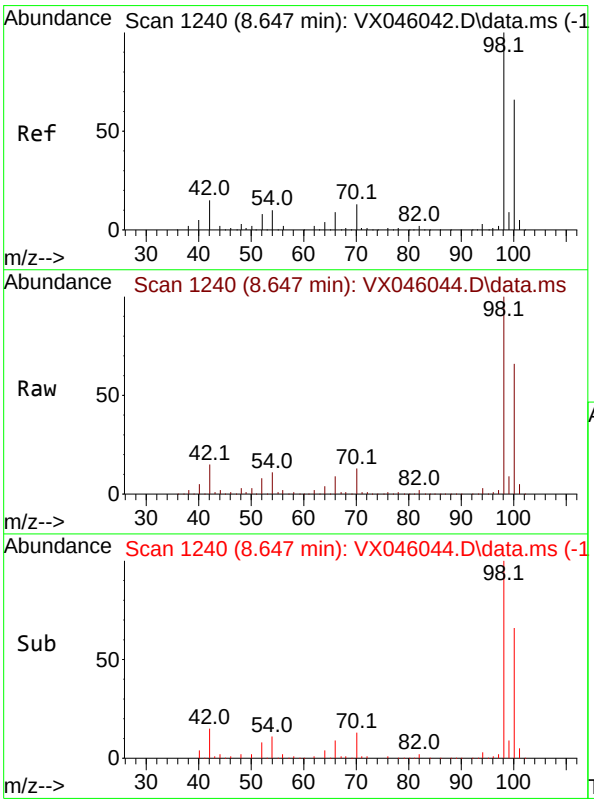
#49
1,4-Dioxane
Concen: 2241.695 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

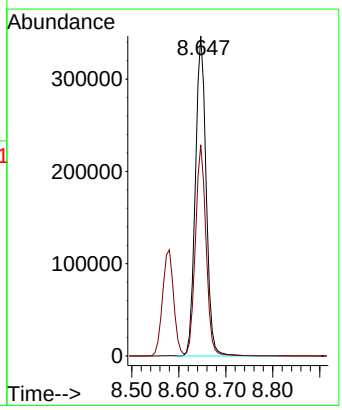


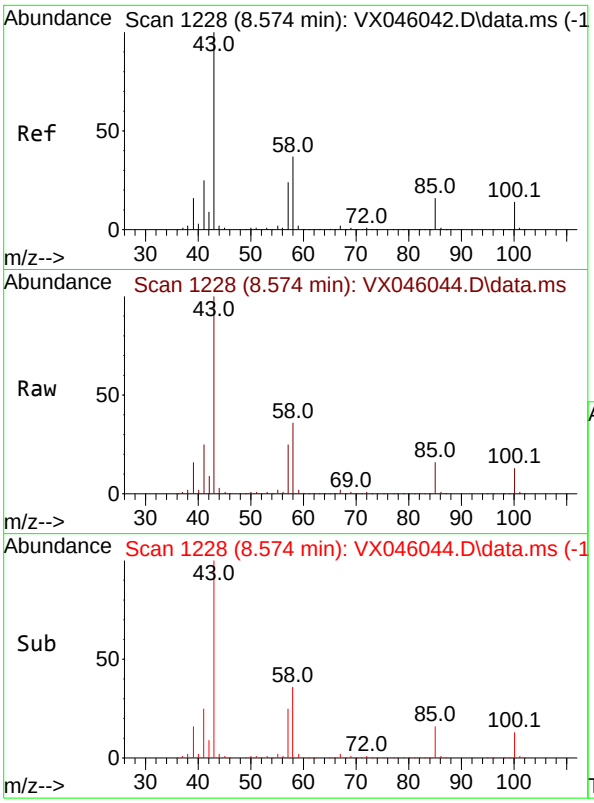


#50
Toluene-d8
Concen: 101.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 98 Resp: 554390

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.5	80.3



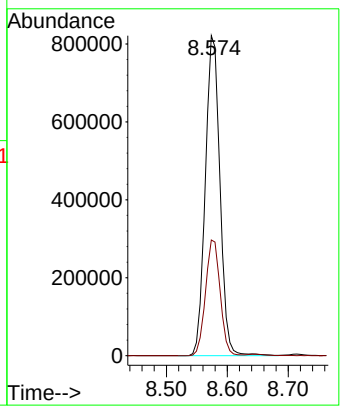


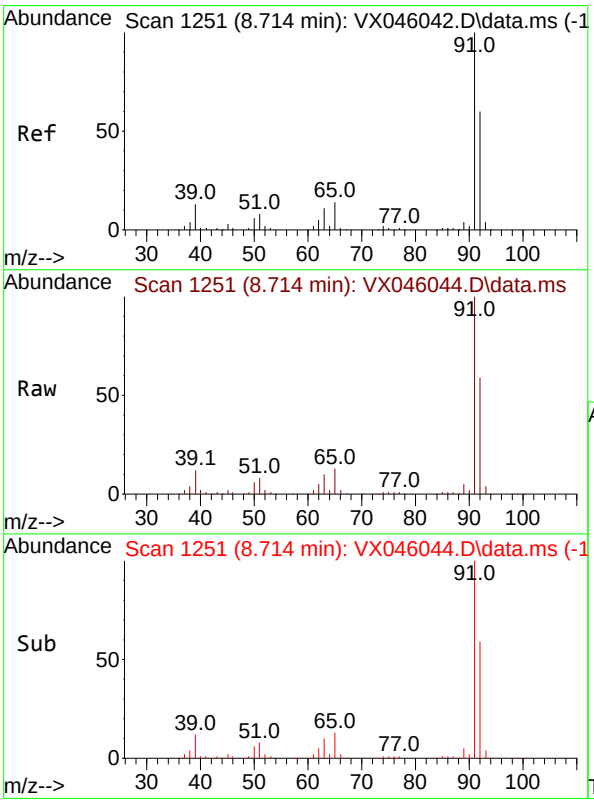
#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1371275

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3

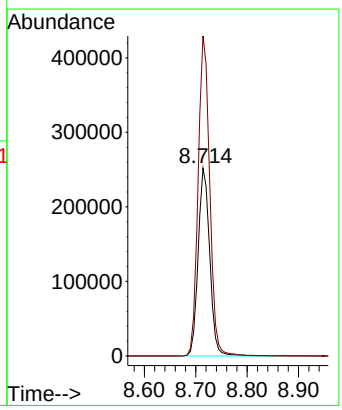


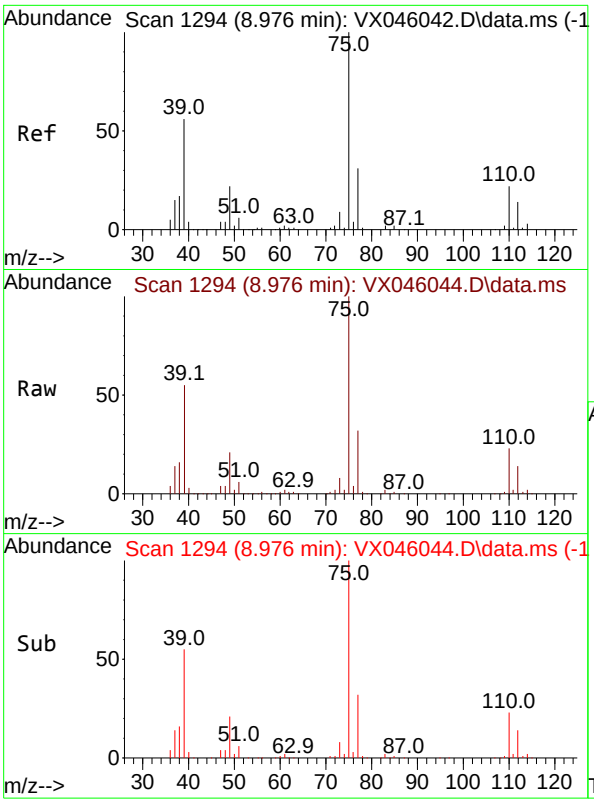


#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	205.0



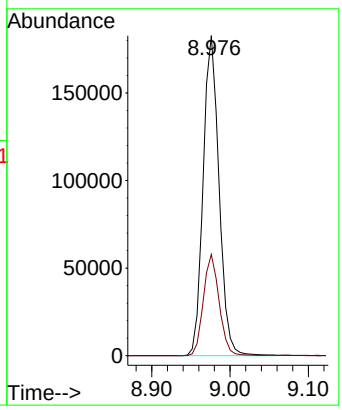


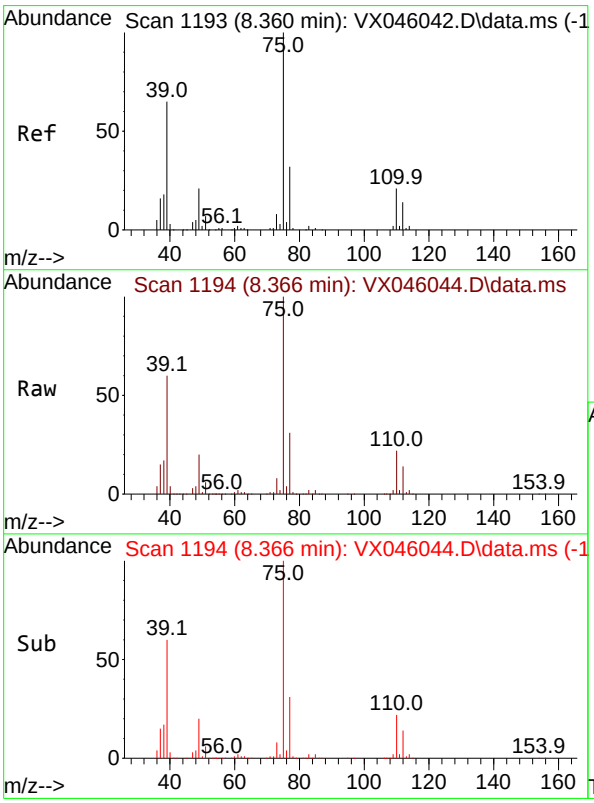
#53
t-1,3-Dichloropropene
Concen: 138.001 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 257233

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6

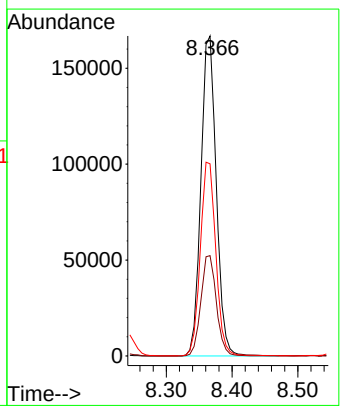


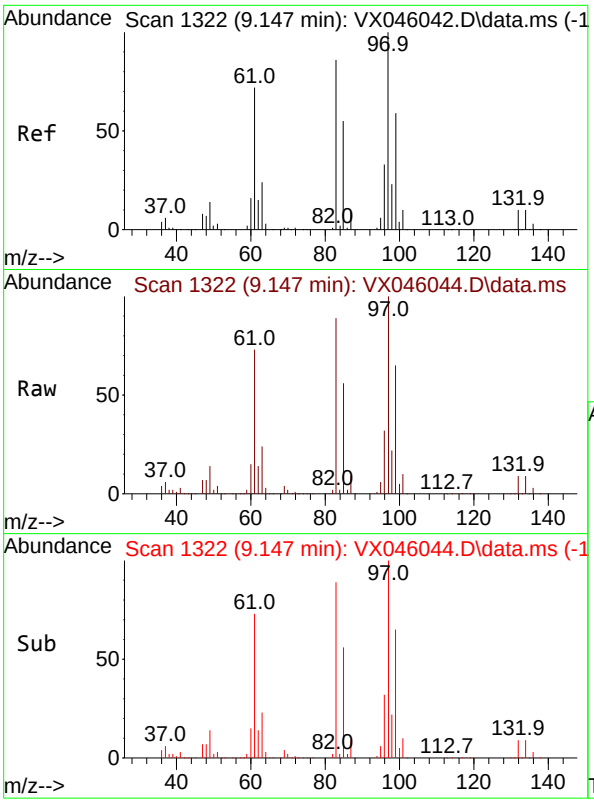


#54
cis-1,3-Dichloropropene
Concen: 124.658 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



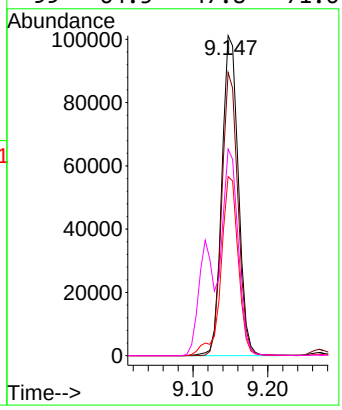


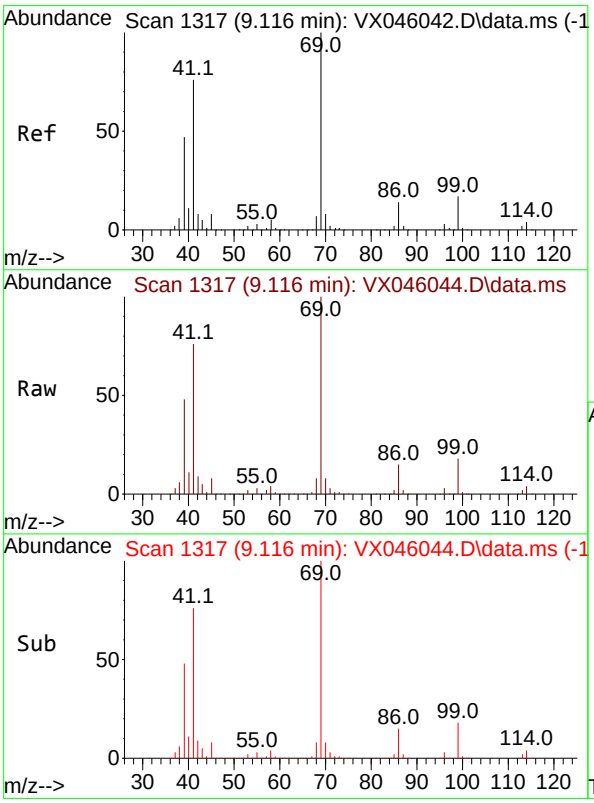
#55
1,1,2-Trichloroethane
Concen: 110.551 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

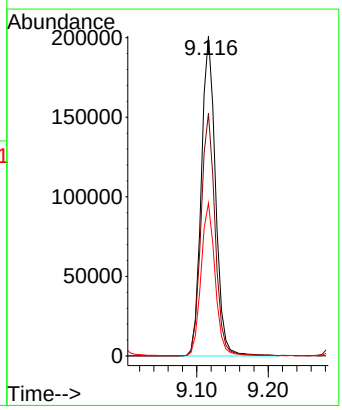


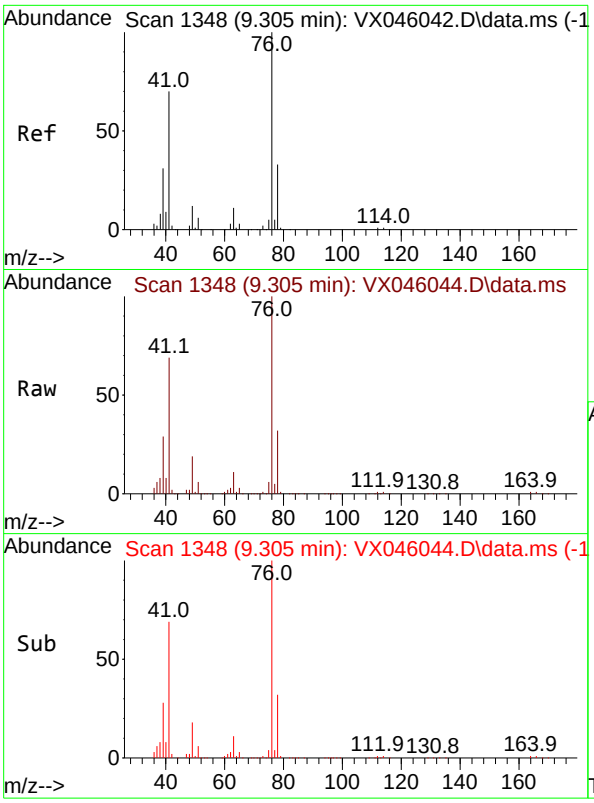


#56
Ethyl methacrylate
Concen: 127.968 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



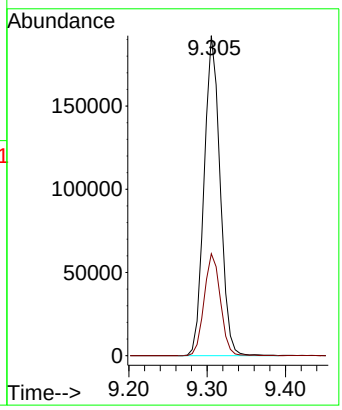


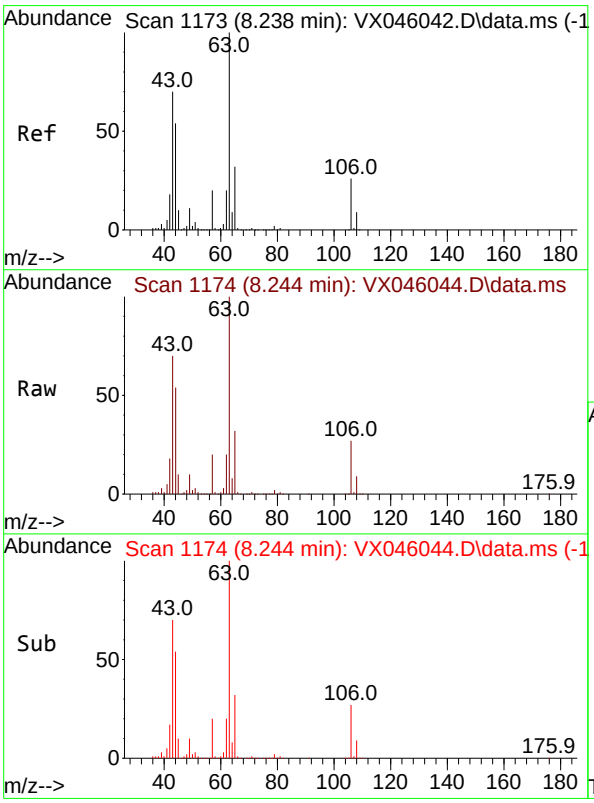
#57
1,3-Dichloropropane
Concen: 109.813 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 272814

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

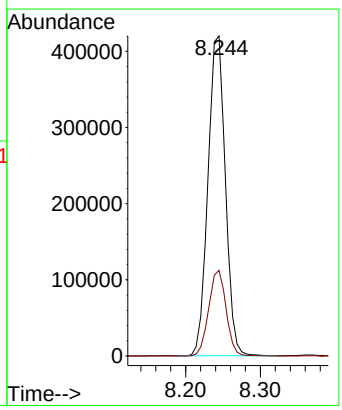


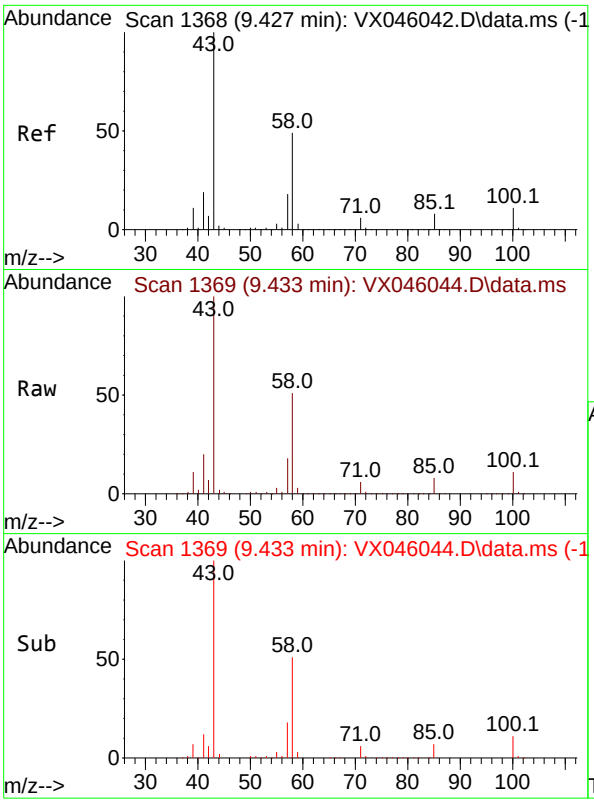


#58
2-Chloroethyl Vinyl ether
Concen: 697.344 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 680608

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



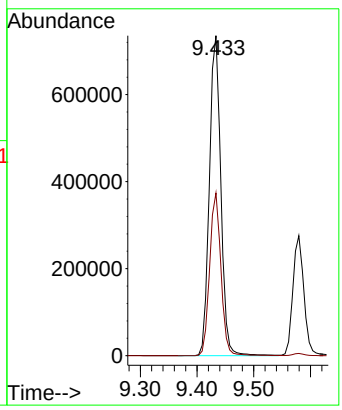


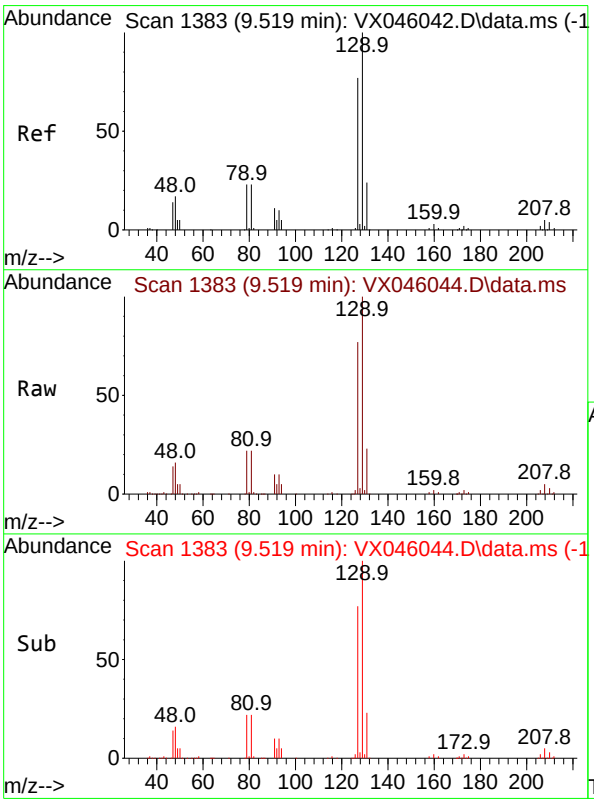
#59
2-Hexanone
Concen: 571.094 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1028597

Ion	Ratio	Lower	Upper
43	100		
58	50.2	24.9	74.6

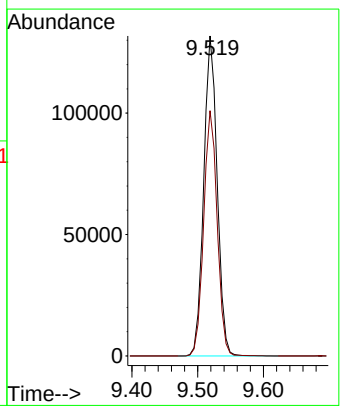


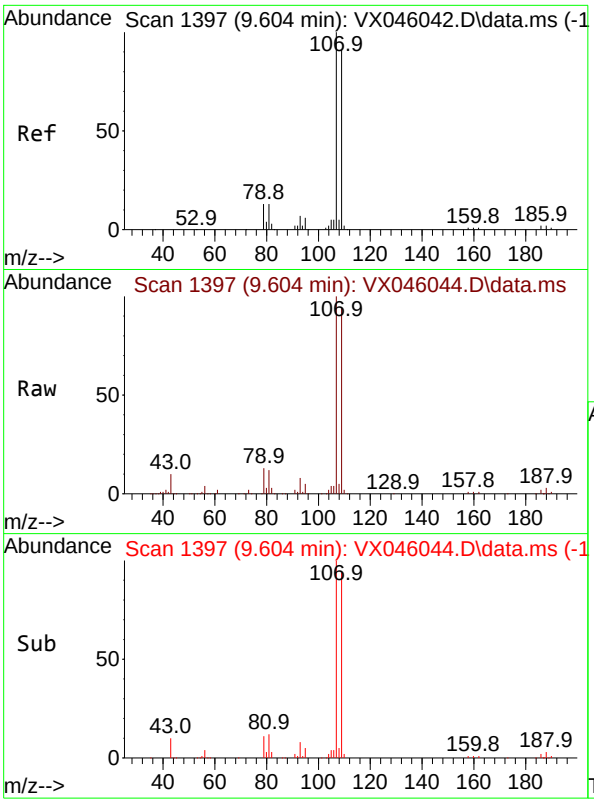


#60
Dibromochloromethane
Concen: 122.915 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:129 Resp: 187497

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8



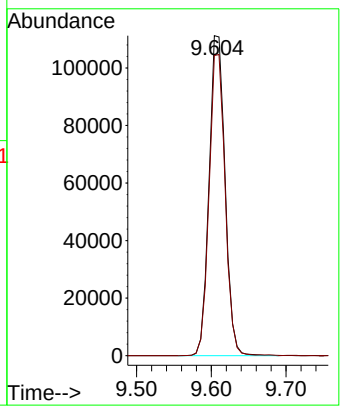


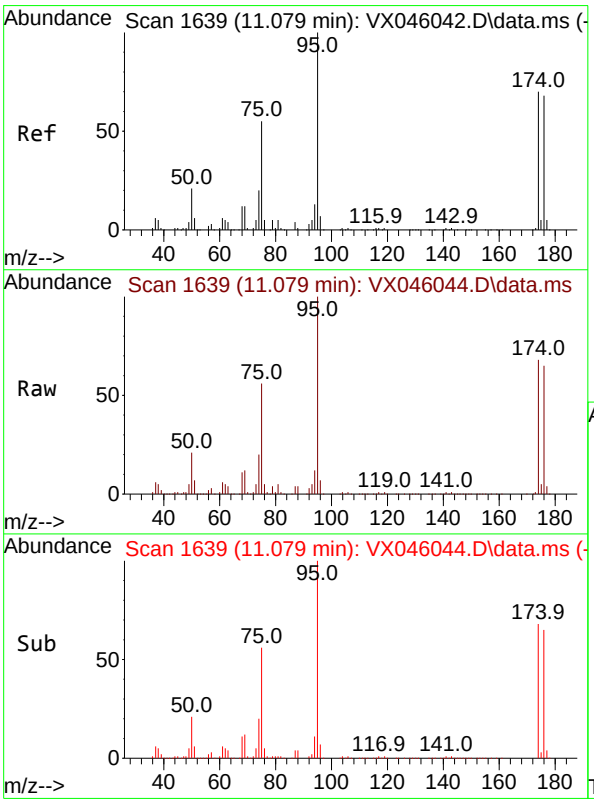
#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 165634

Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.3	109.9

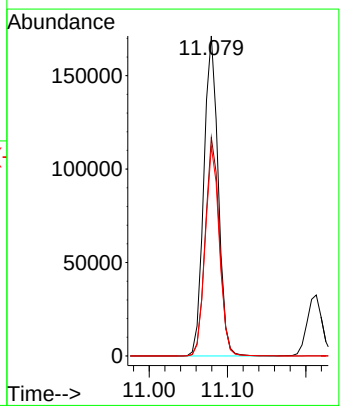


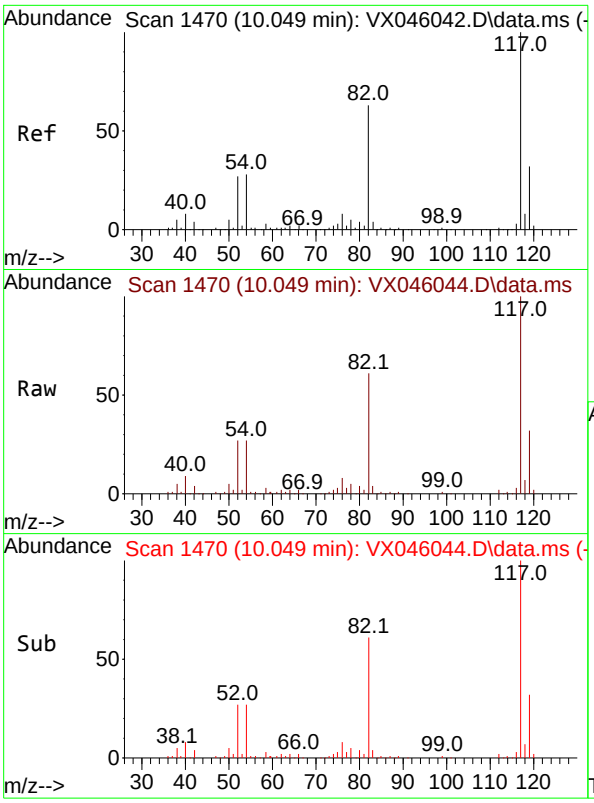


#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



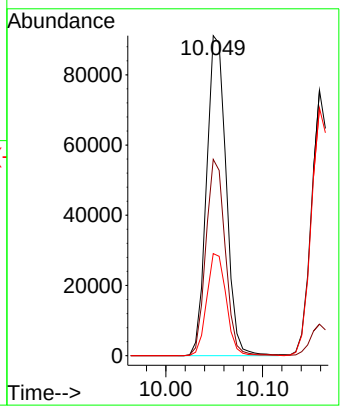


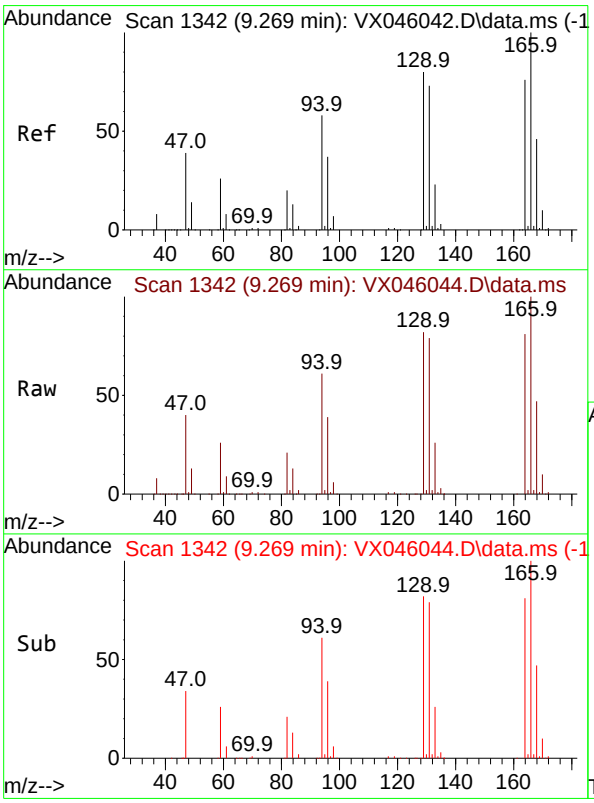
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

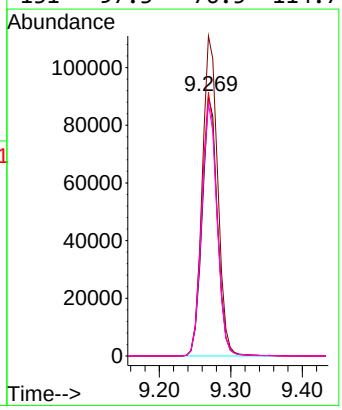


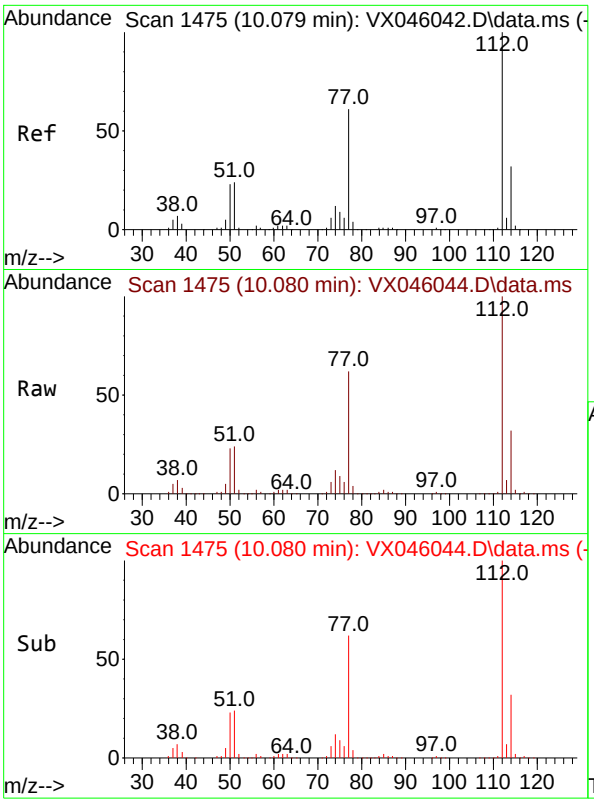


#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



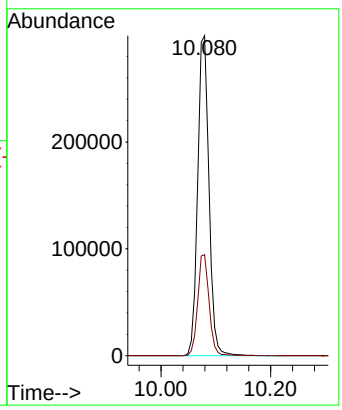


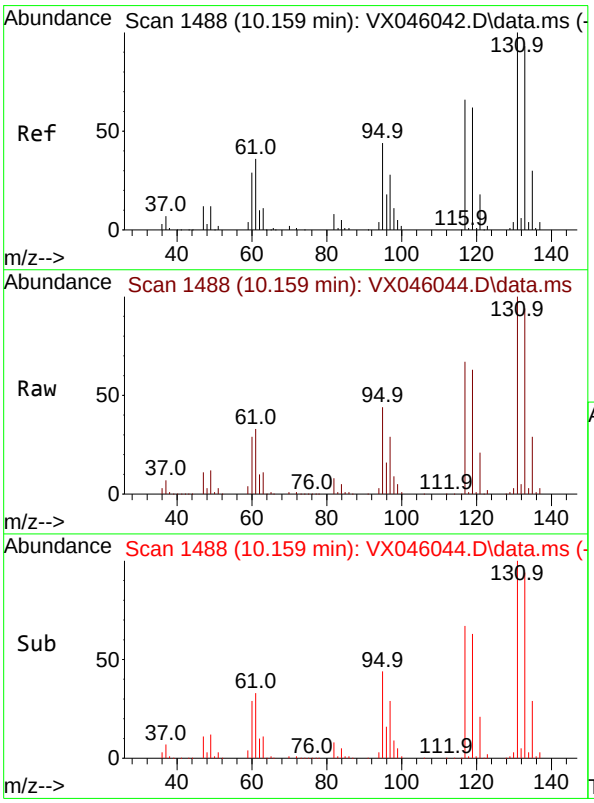
#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 429656

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2

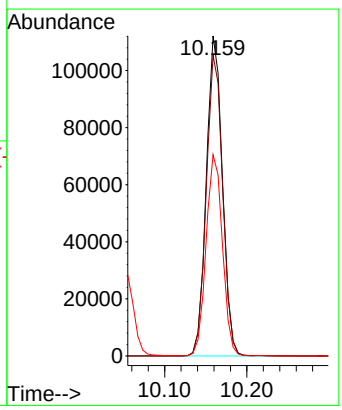


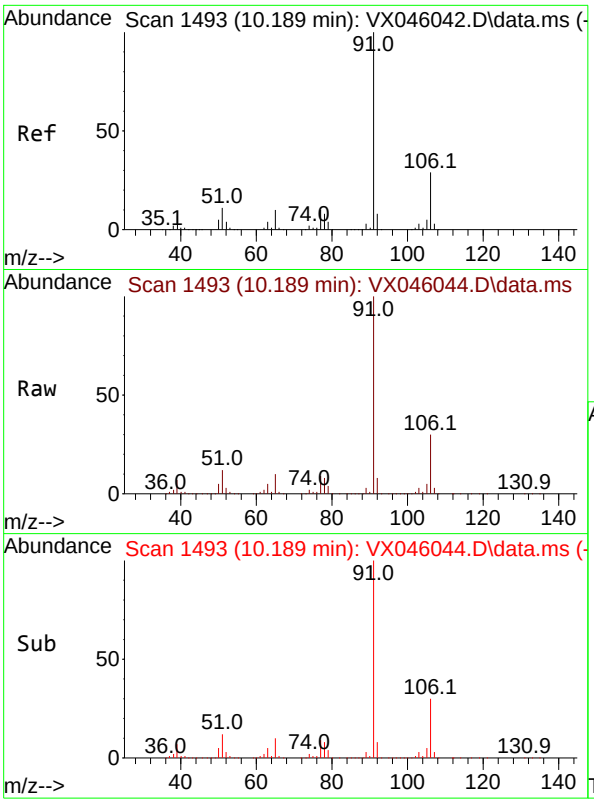


#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



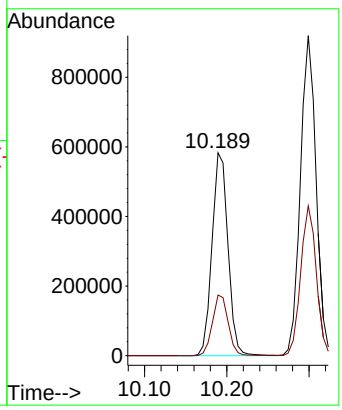


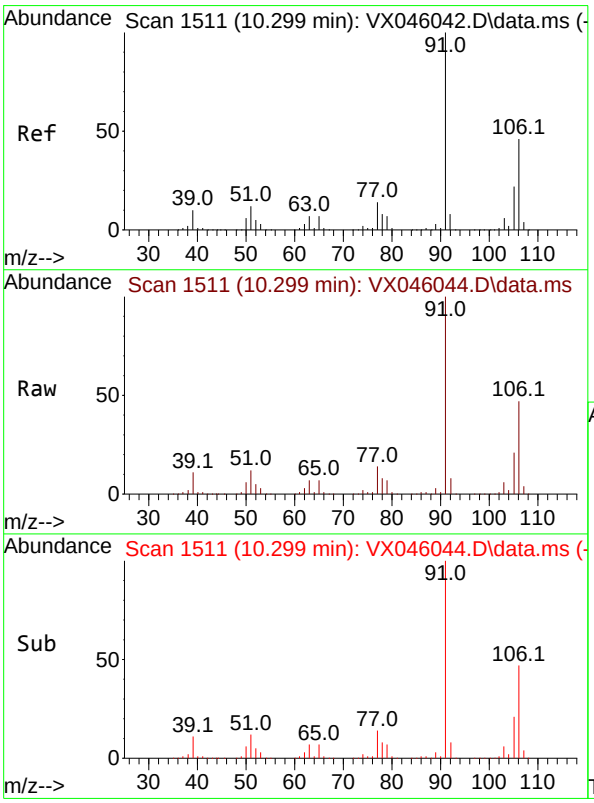
#67
Ethyl Benzene
Concen: 116.421 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 785121

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

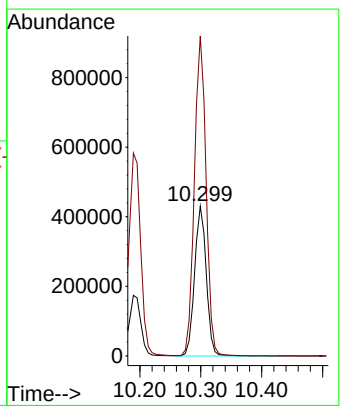


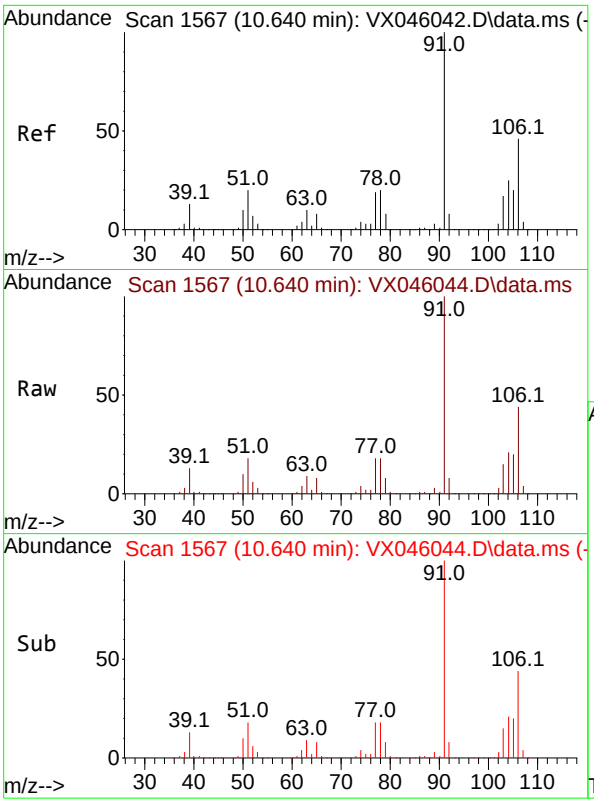


#68
m/p-Xylenes
Concen: 234.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 570913

Ion	Ratio	Lower	Upper
106	100		
91	214.2	171.2	256.8



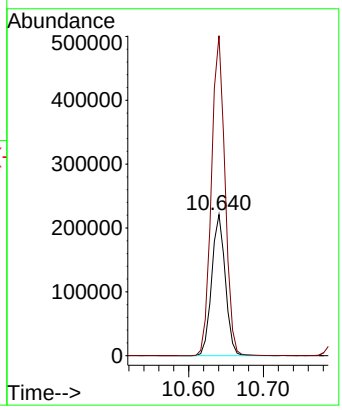


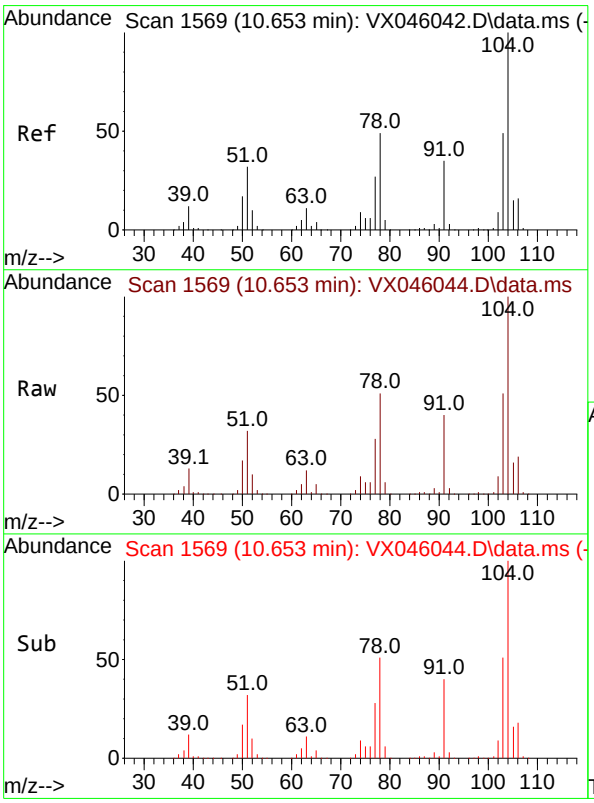
#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 279906

Ion	Ratio	Lower	Upper
106	100		
91	226.9	112.7	338.1

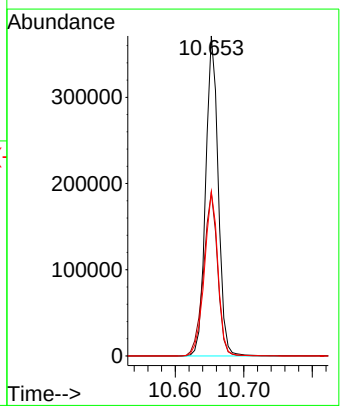


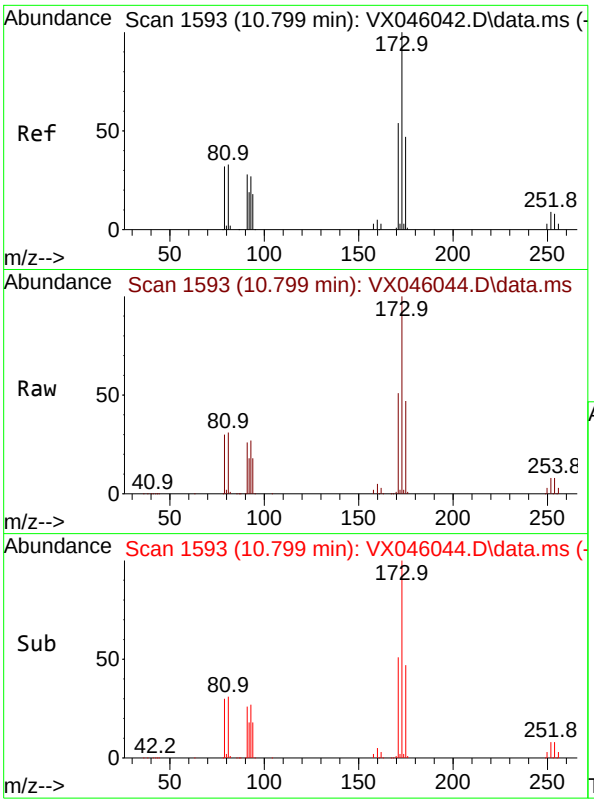


#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



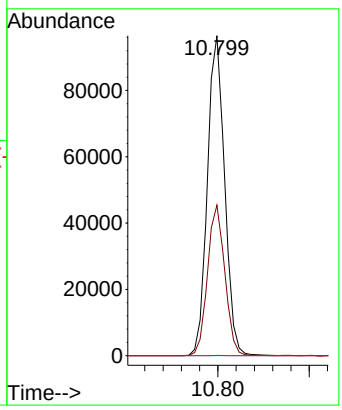


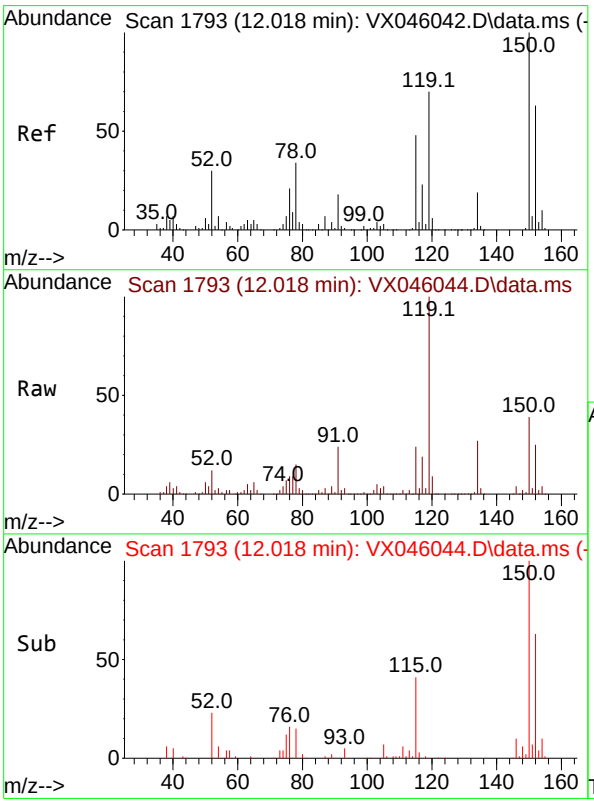
#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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#

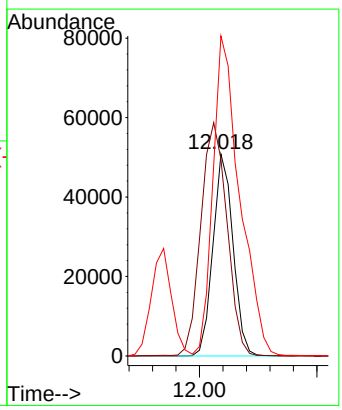


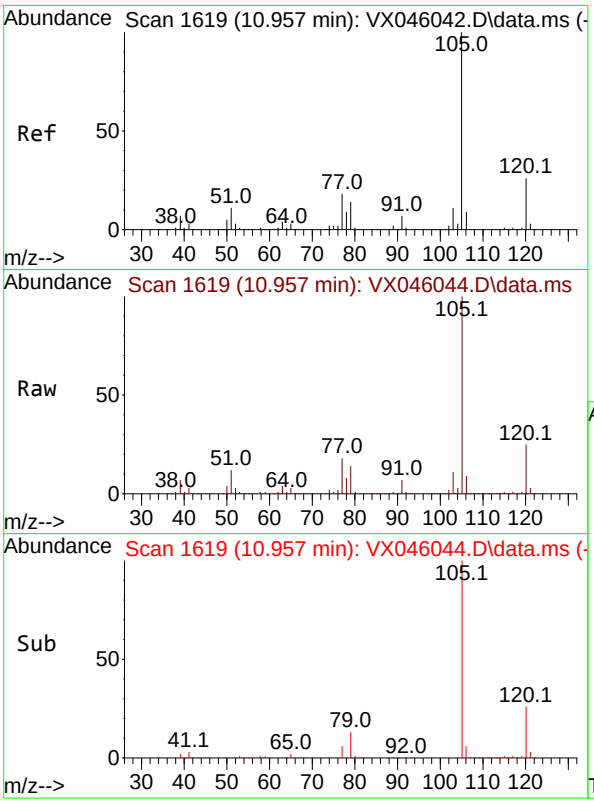


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



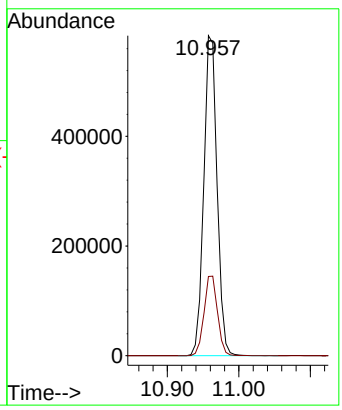


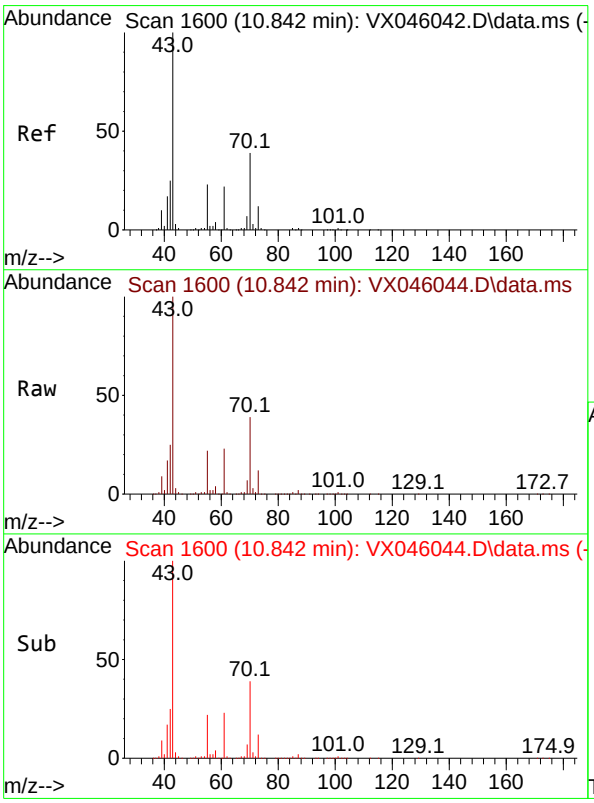
#73
Isopropylbenzene
Concen: 114.312 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 752337

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

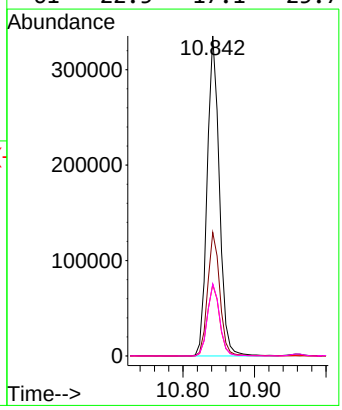


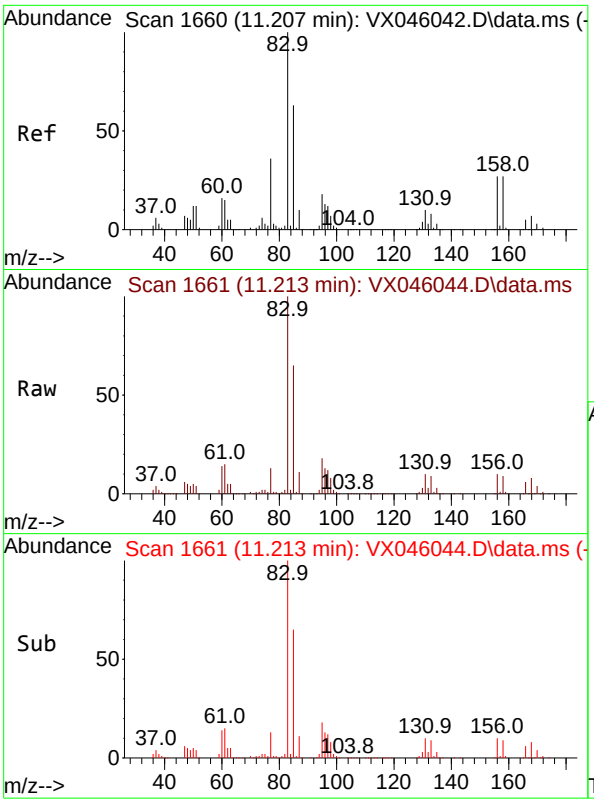


#74
N-amyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



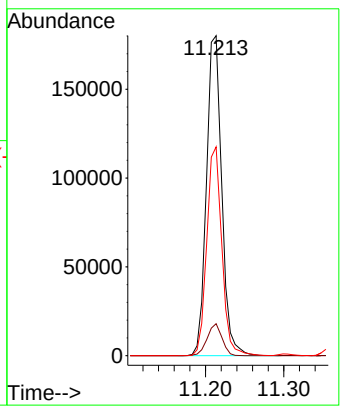


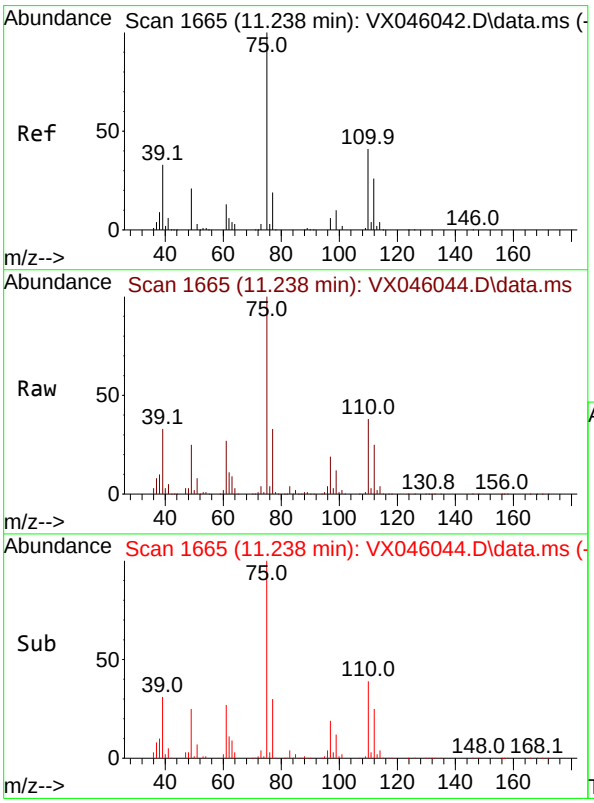
#75
1,1,2,2-Tetrachloroethane
Concen: 104.018 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

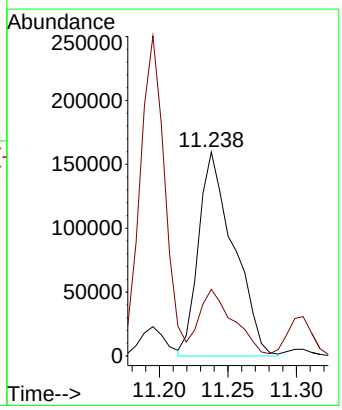


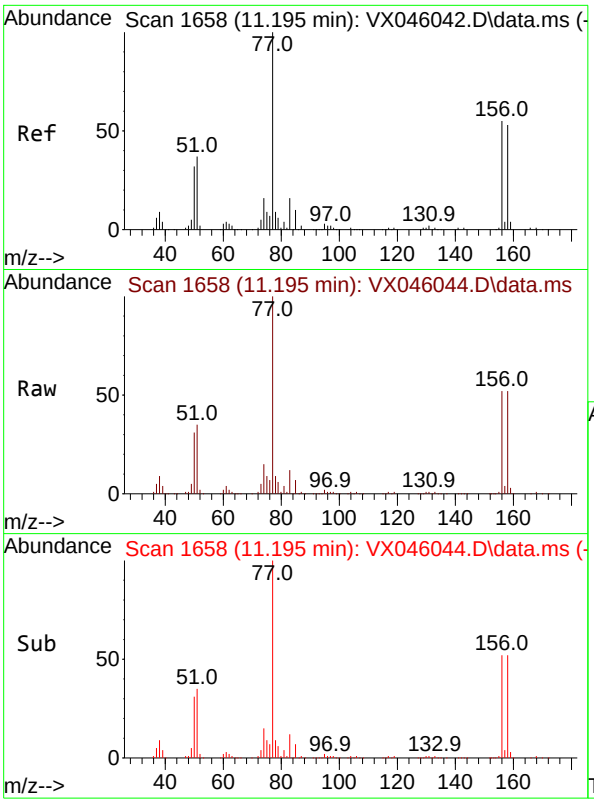


#76
1,2,3-Trichloropropane
Concen: 113.113 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 284571

Ion	Ratio	Lower	Upper
75	100		
77	31.8	20.5	61.5



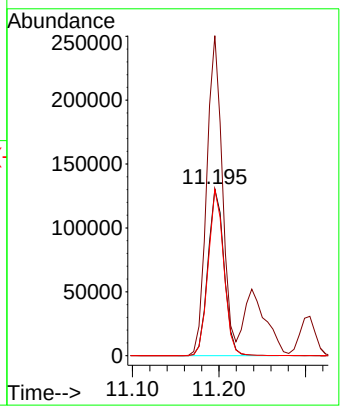


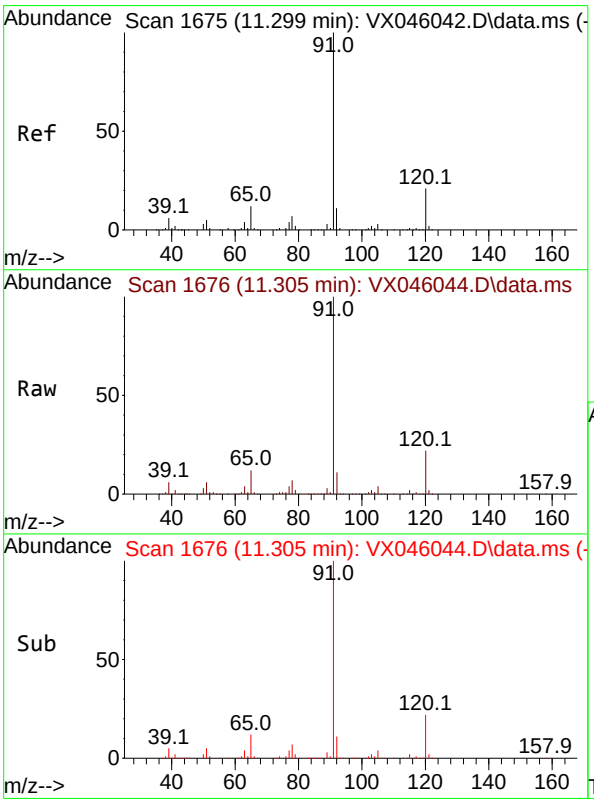
#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

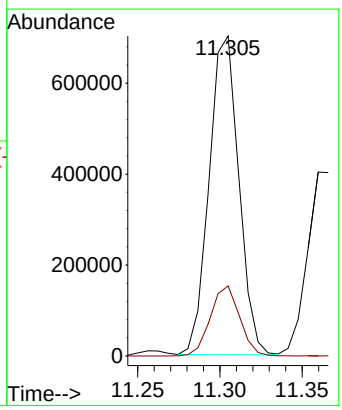


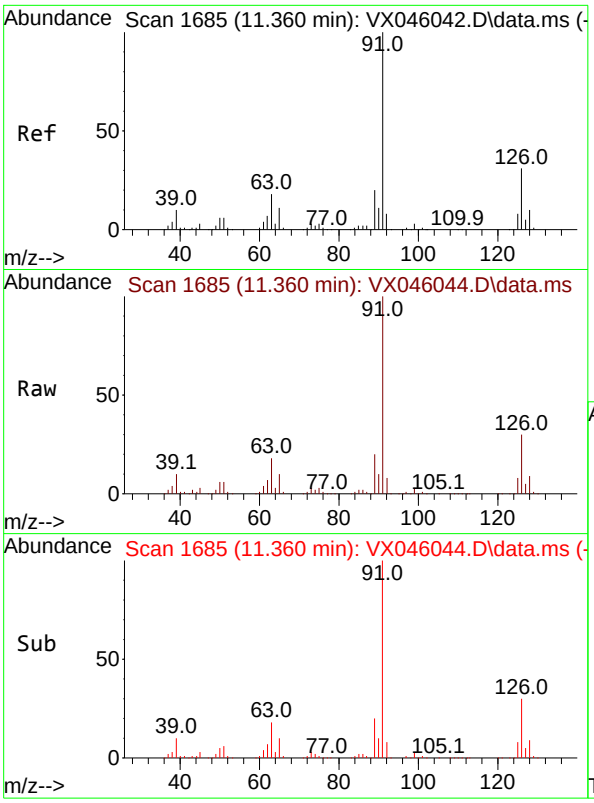


#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 881218

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



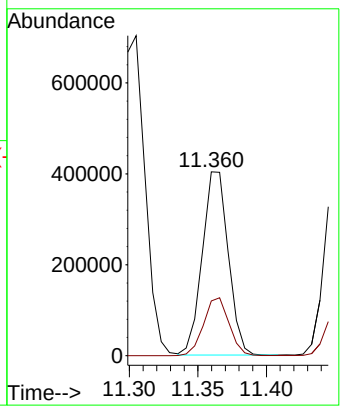


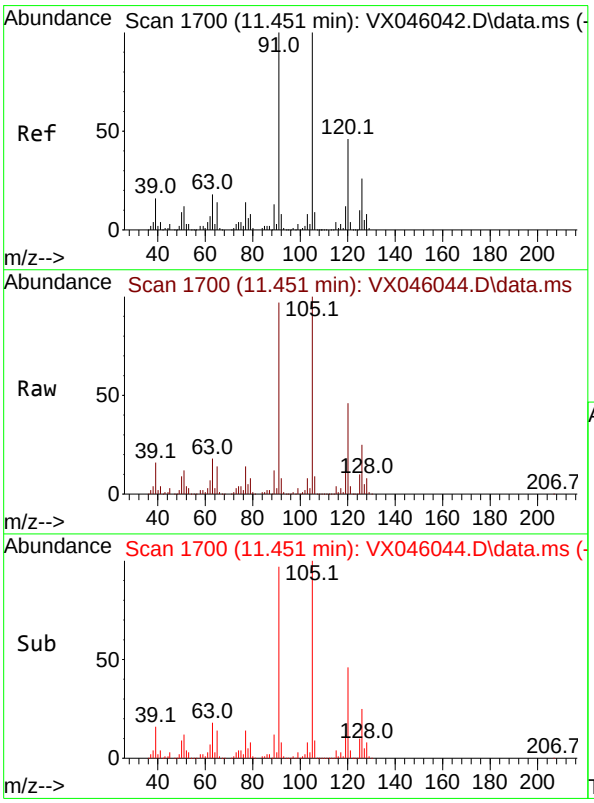
#79
2-Chlorotoluene
Concen: 107.514 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 534560

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7

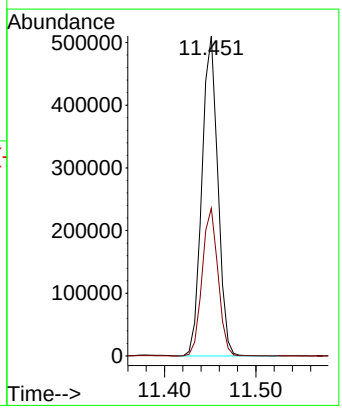


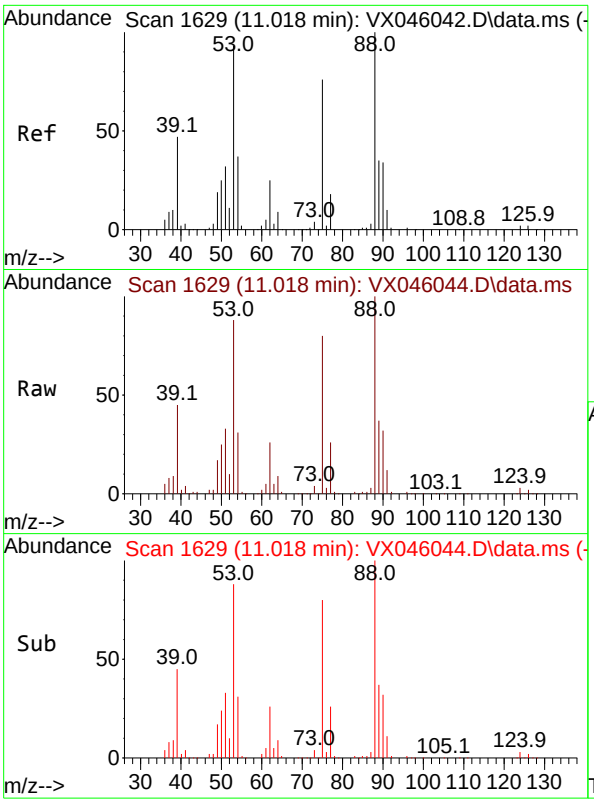


#80
1,3,5-Trimethylbenzene
Concen: 112.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 616477

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2



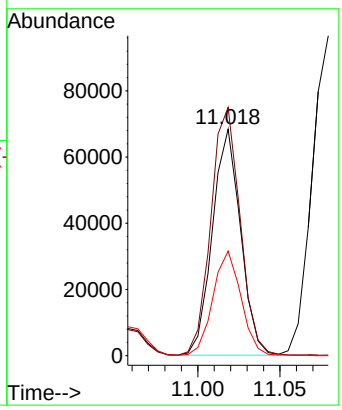


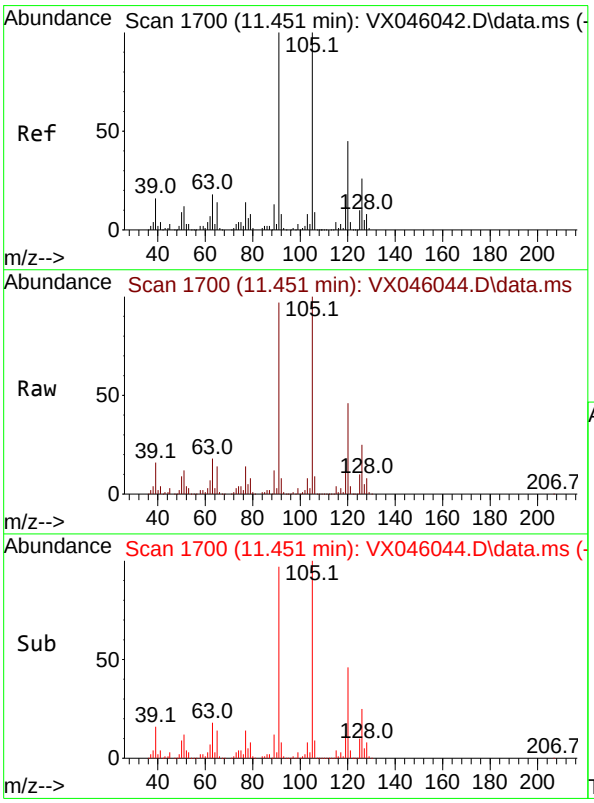
#81
trans-1,4-Dichloro-2-butene
Concen: 134.609 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

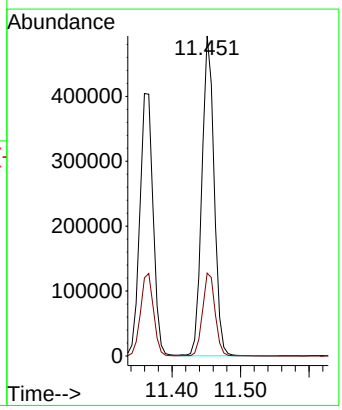


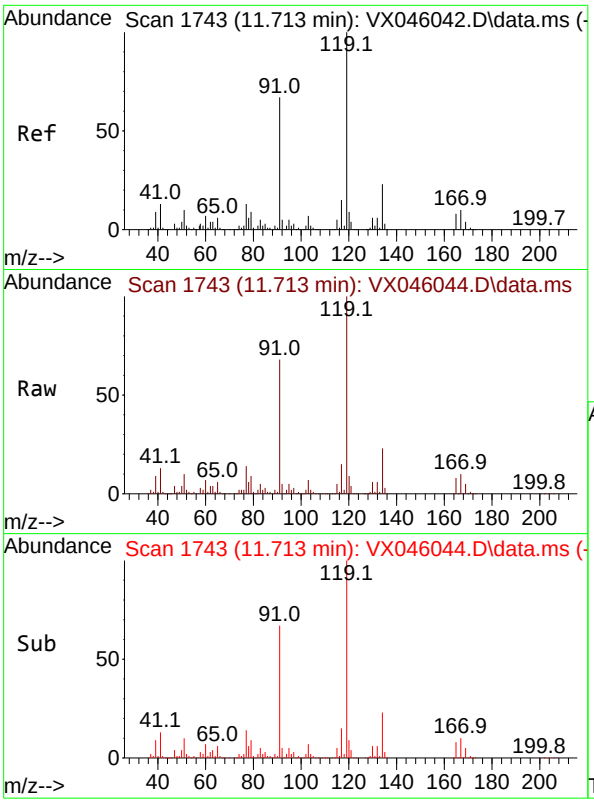


#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736

Ion	Ratio	Lower	Upper
91	100		
126	26.7	13.3	39.8



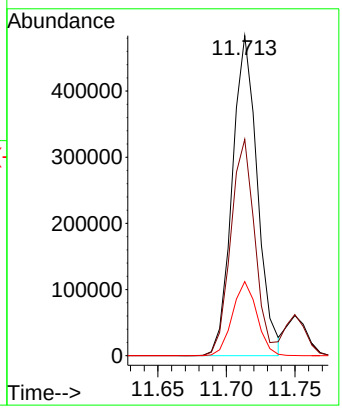


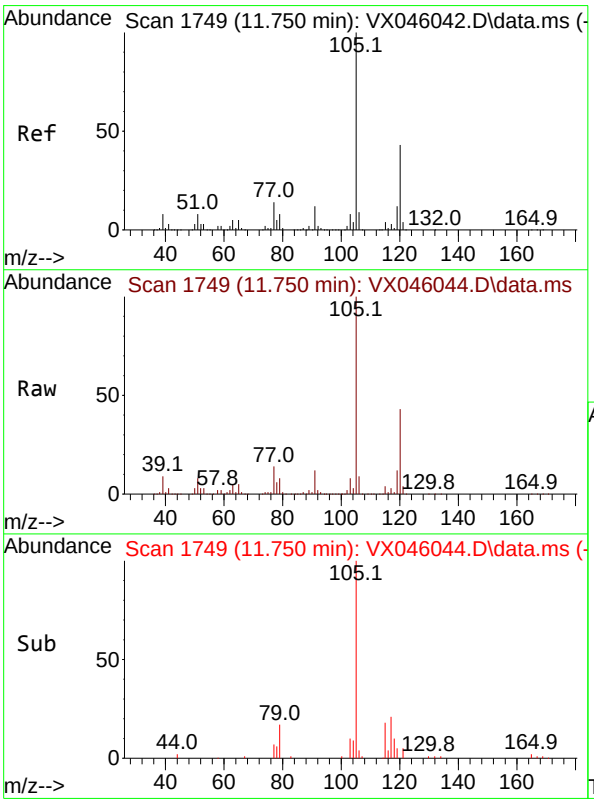
#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

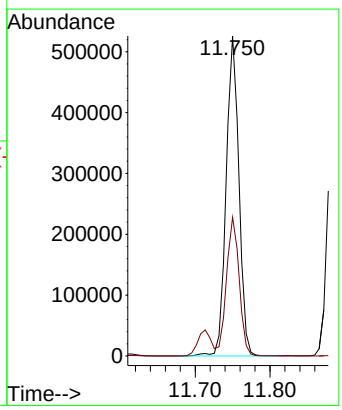


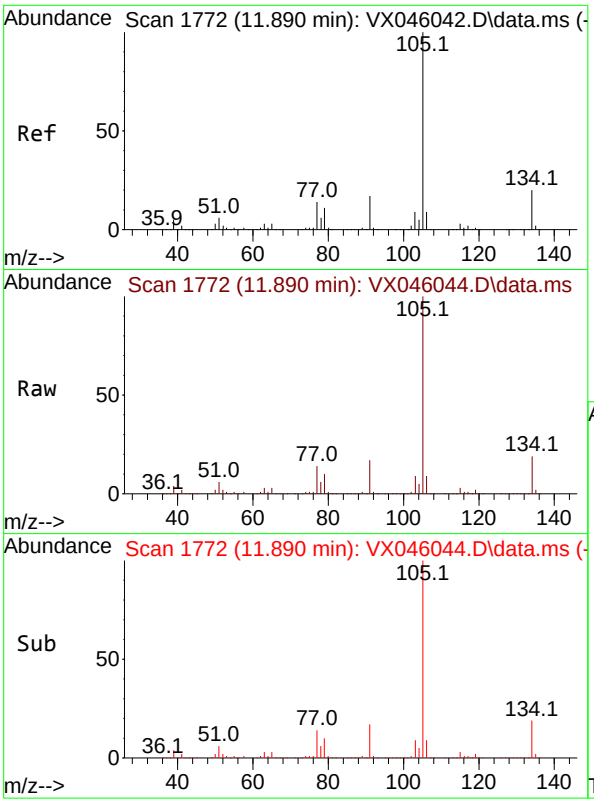


#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 623456

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.2	63.6



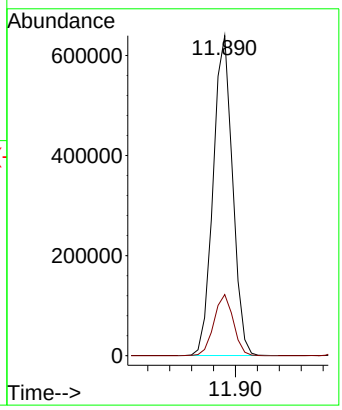


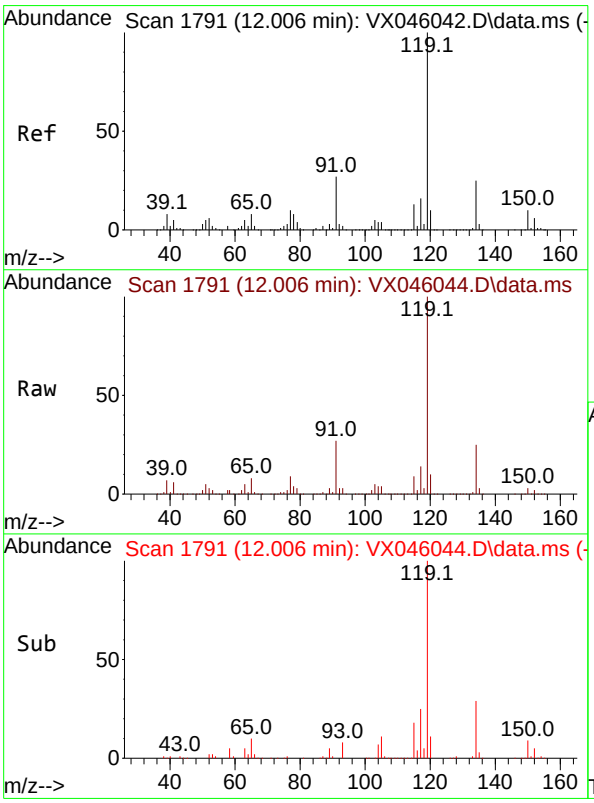
#85
sec-Butylbenzene
Concen: 118.023 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 786293

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

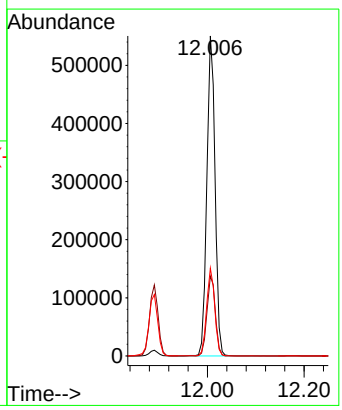


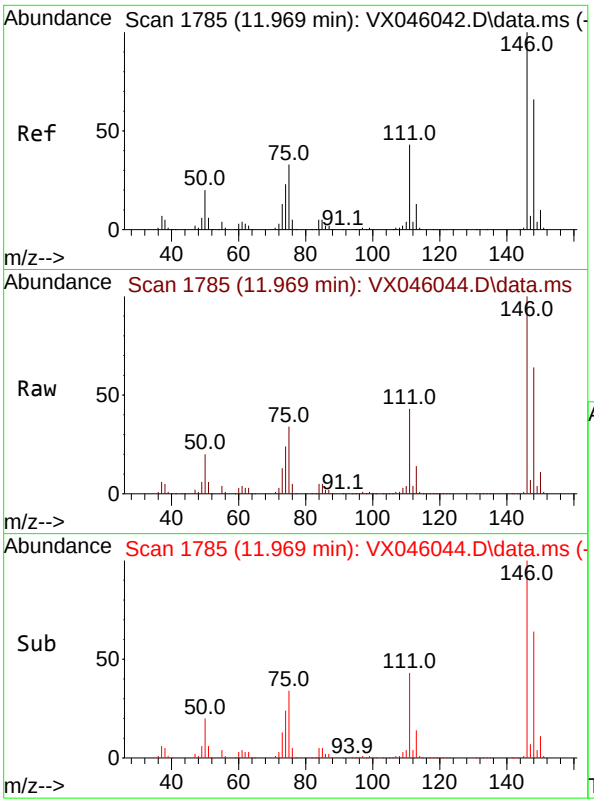


#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



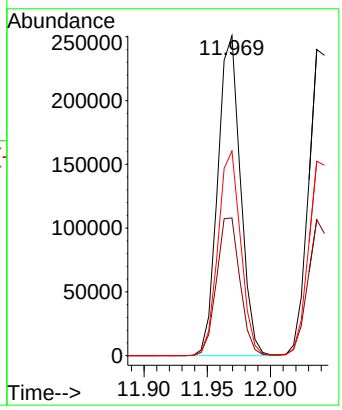


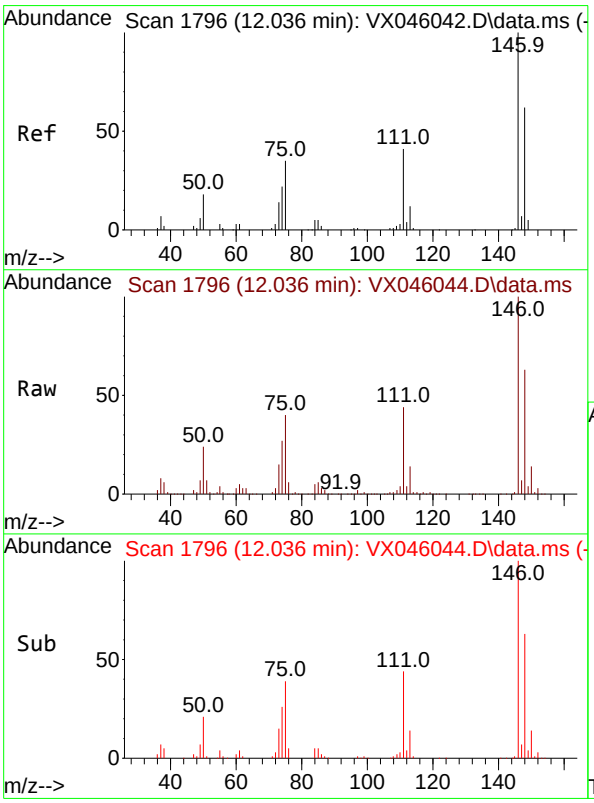
#87
1,3-Dichlorobenzene
Concen: 110.394 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

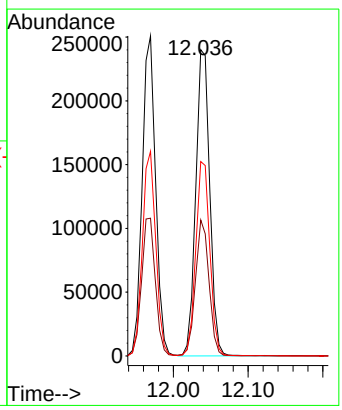


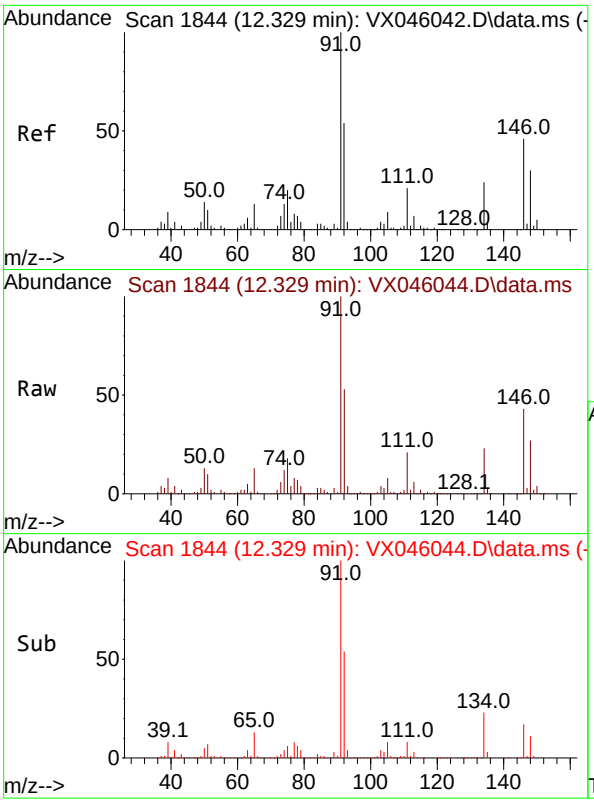


#88
1,4-Dichlorobenzene
Concen: 112.167 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



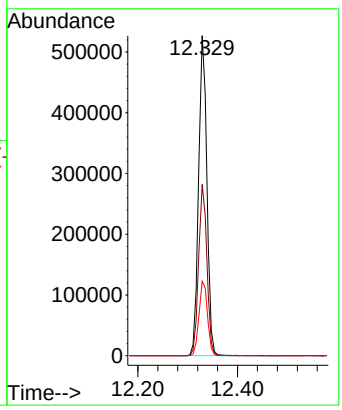


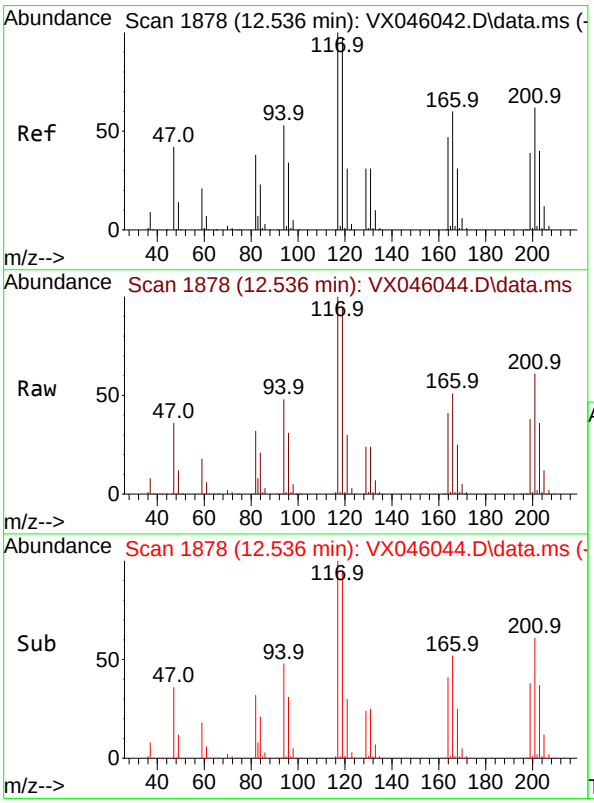
#89
n-Butylbenzene
Concen: 129.533 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

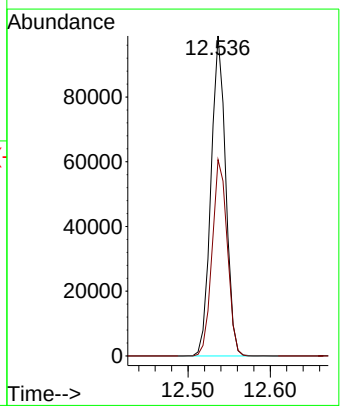


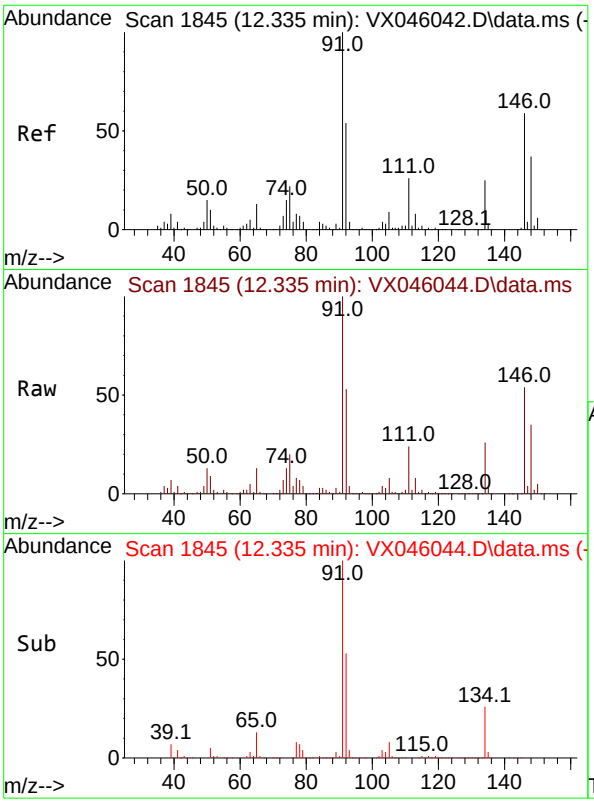


#90
Hexachloroethane
Concen: 123.091 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 123188

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.6	94.7



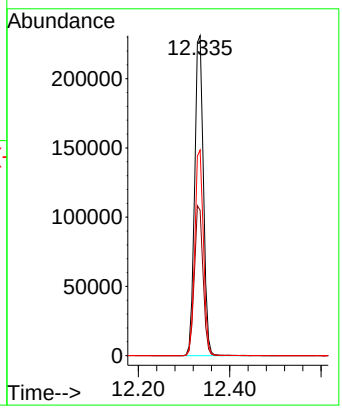


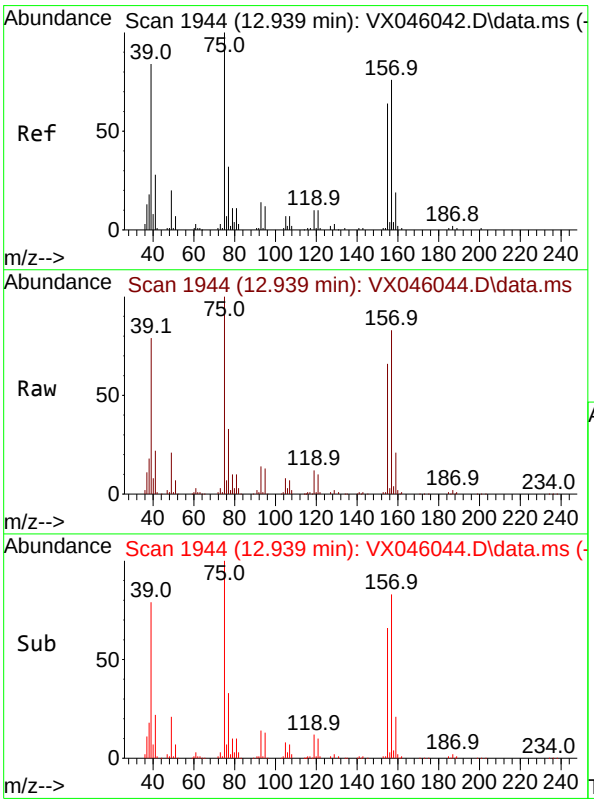
#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

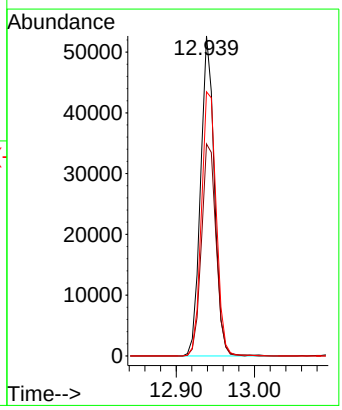


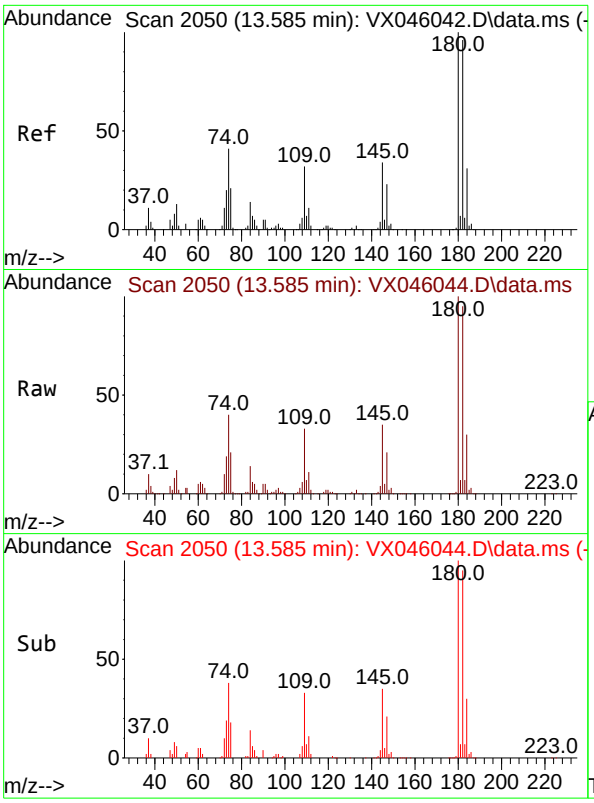


#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



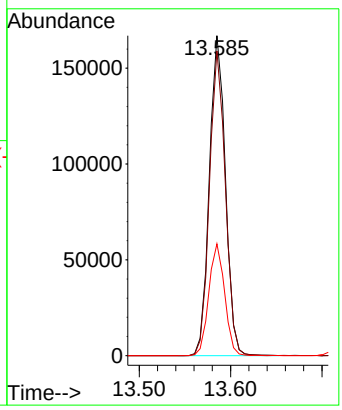


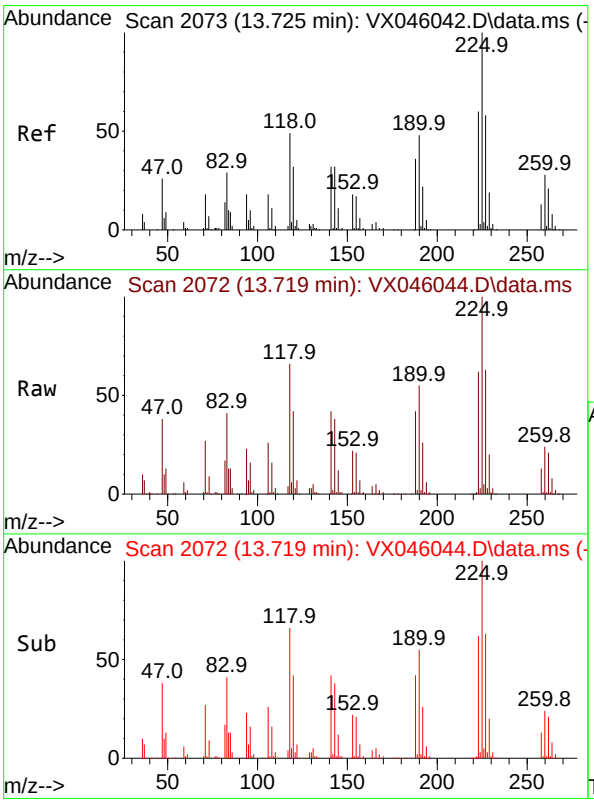
#93
1,2,4-Trichlorobenzene
Concen: 134.366 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

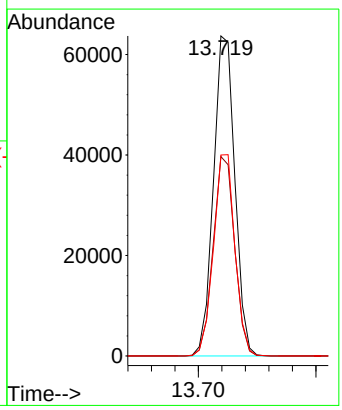


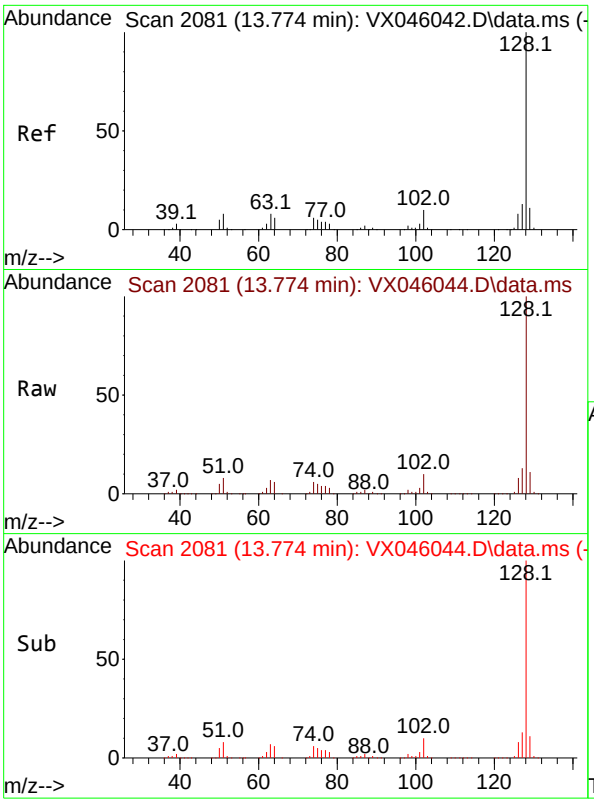


#94
Hexachlorobutadiene
Concen: 113.857 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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



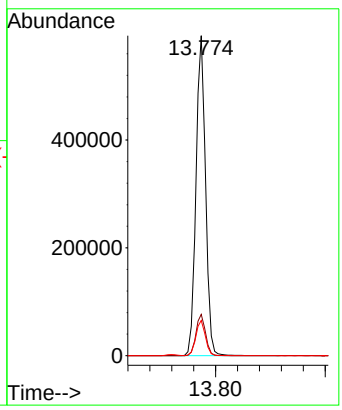


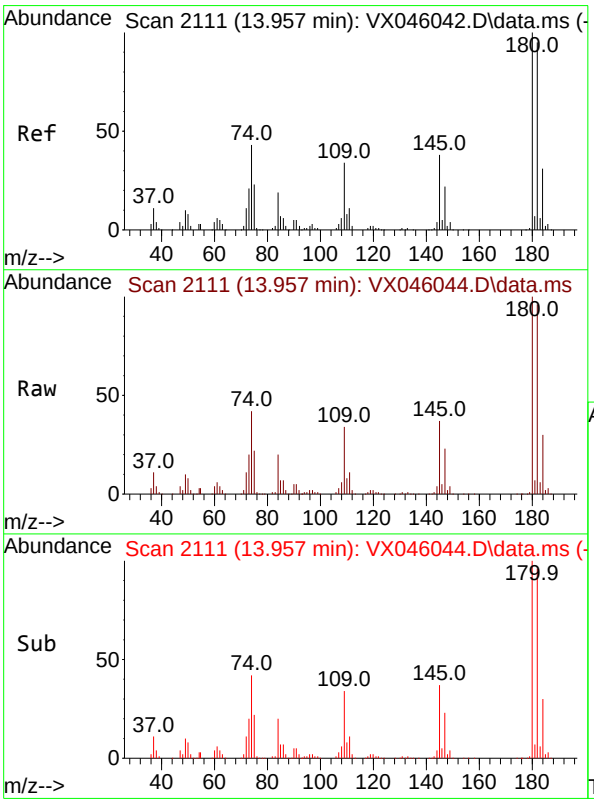
#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

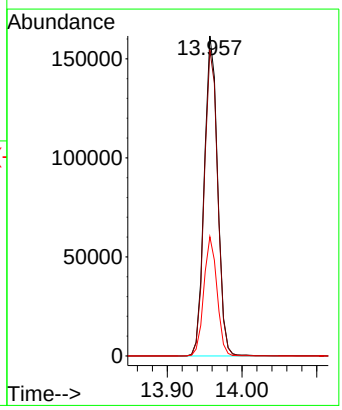




#96
1,2,3-Trichlorobenzene
Concen: 126.331 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

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

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)

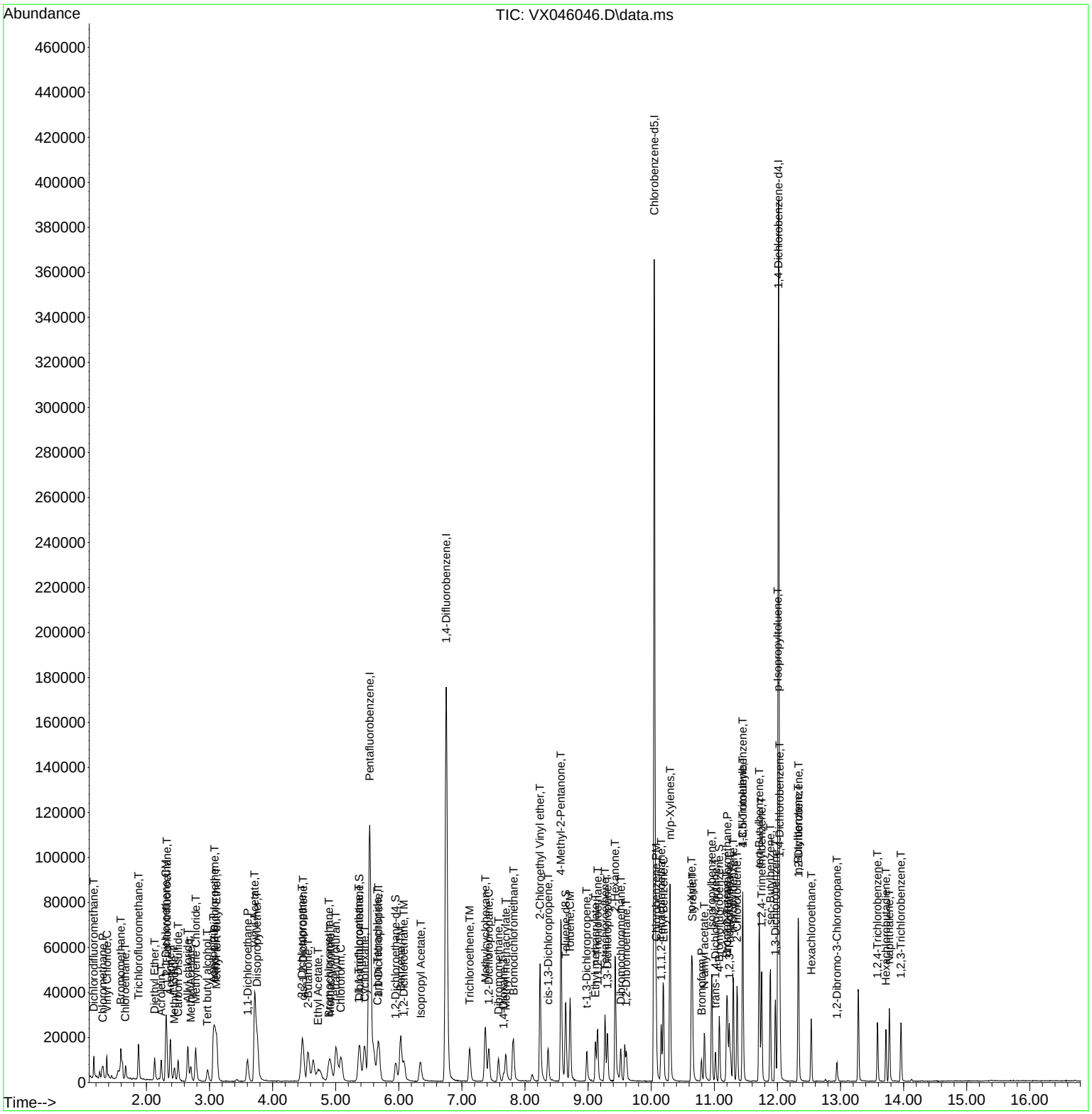
(#) = qualifier out of range (m) = manual integration (+) = signals summed

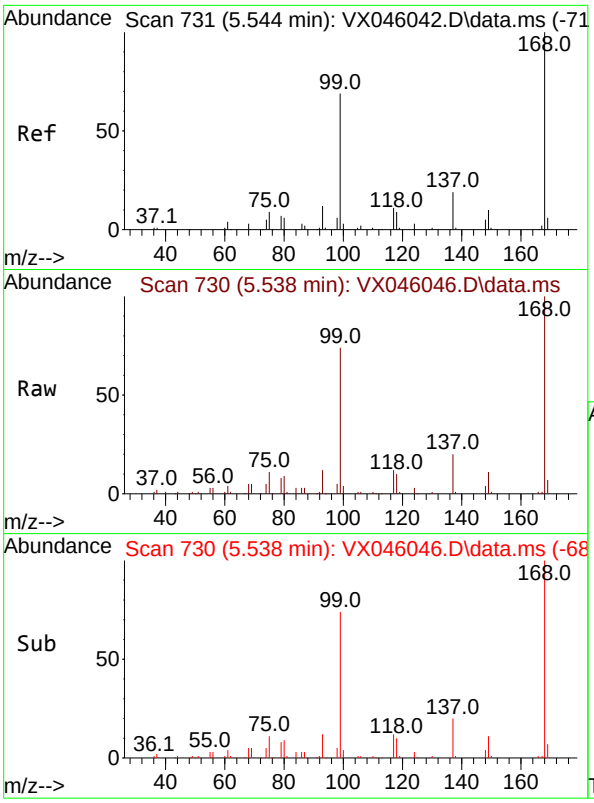
Quantitation Report (Not Reviewed)

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



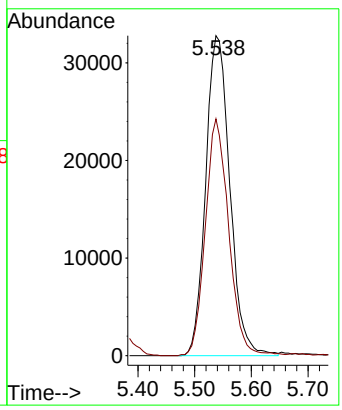


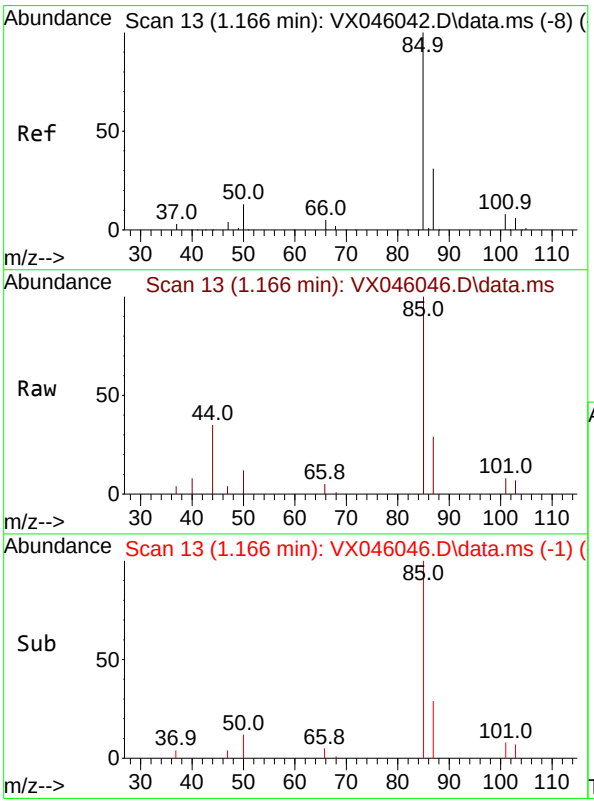
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 96964

Ion	Ratio	Lower	Upper
168	100		
99	74.0	54.9	82.3

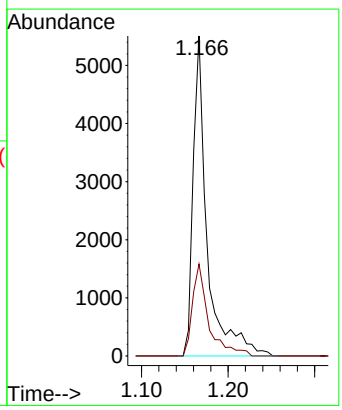


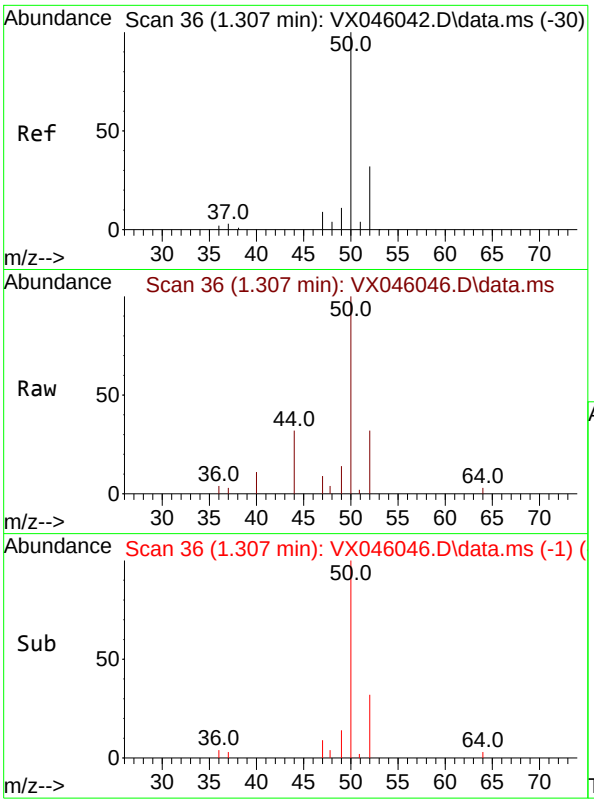


#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195

Ion	Ratio	Lower	Upper
85	100		
87	28.7	15.7	47.1



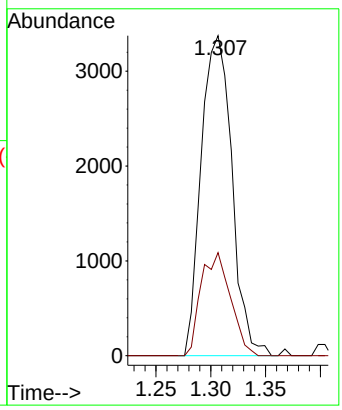


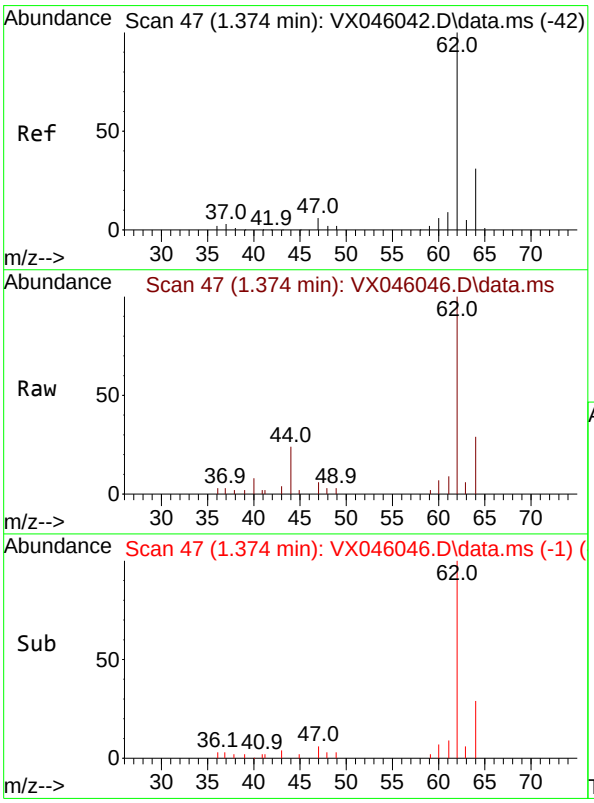
#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 6587

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2

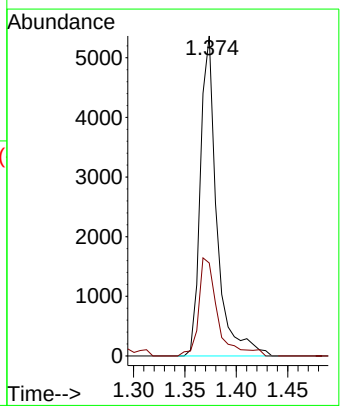


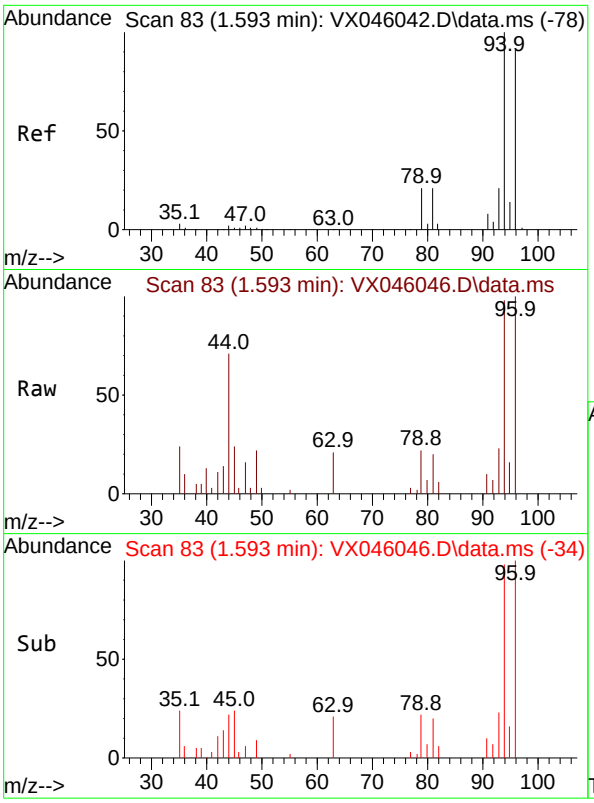


#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 5999

Ion	Ratio	Lower	Upper
62	100		
64	29.1	25.2	37.8



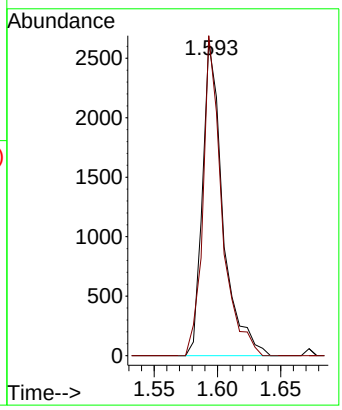


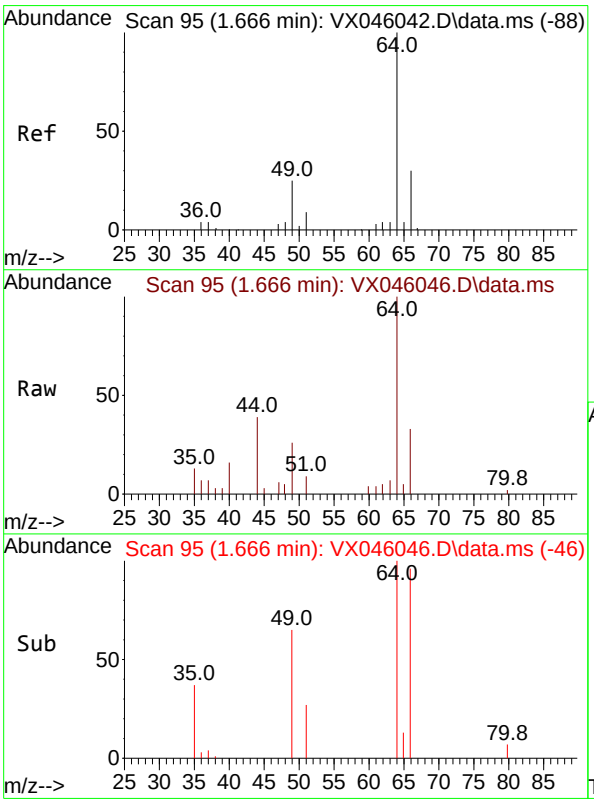
#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 2962

Ion	Ratio	Lower	Upper
94	100		
96	102.2	72.8	109.2

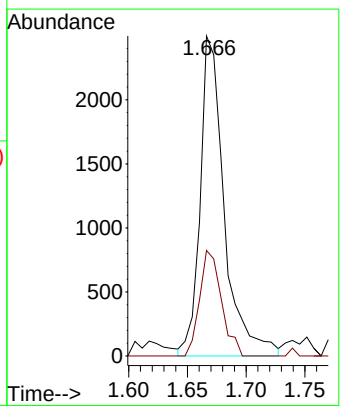


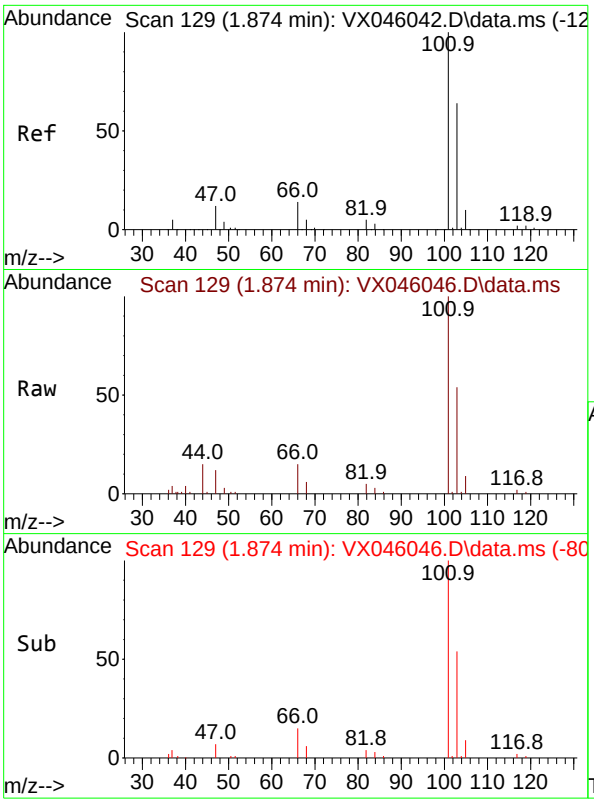


#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 64 Resp: 3567

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5



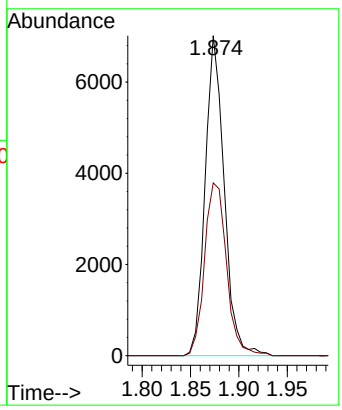


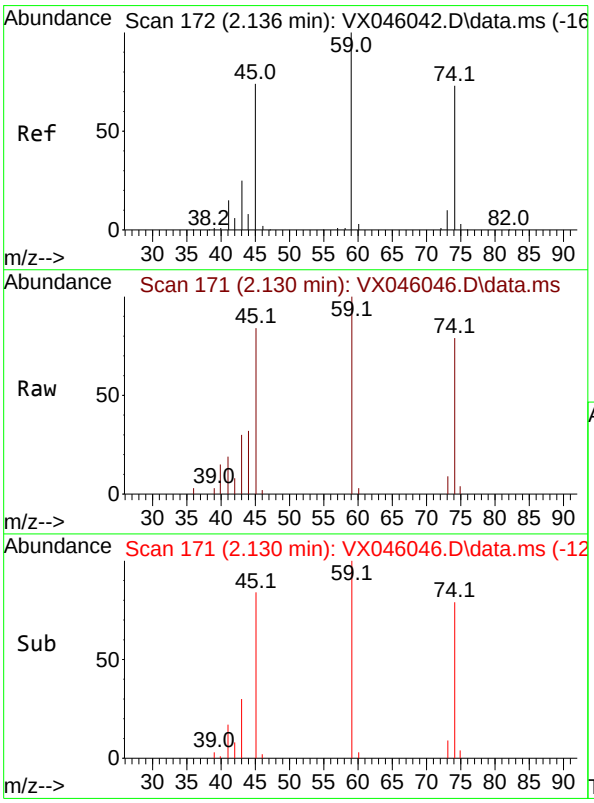
#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 9599

Ion	Ratio	Lower	Upper
101	100		
103	54.0	51.0	76.4

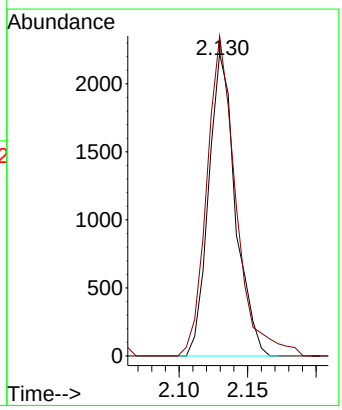


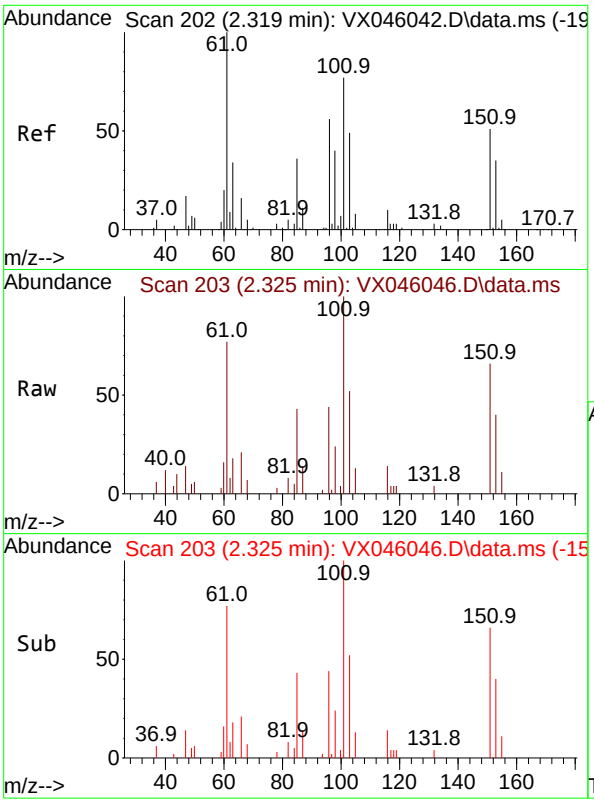


#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020

Ion	Ratio	Lower	Upper
74	100		
45	115.1	54.9	164.8



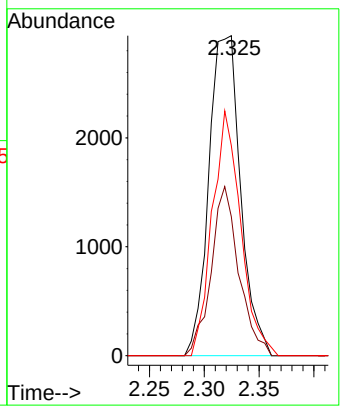


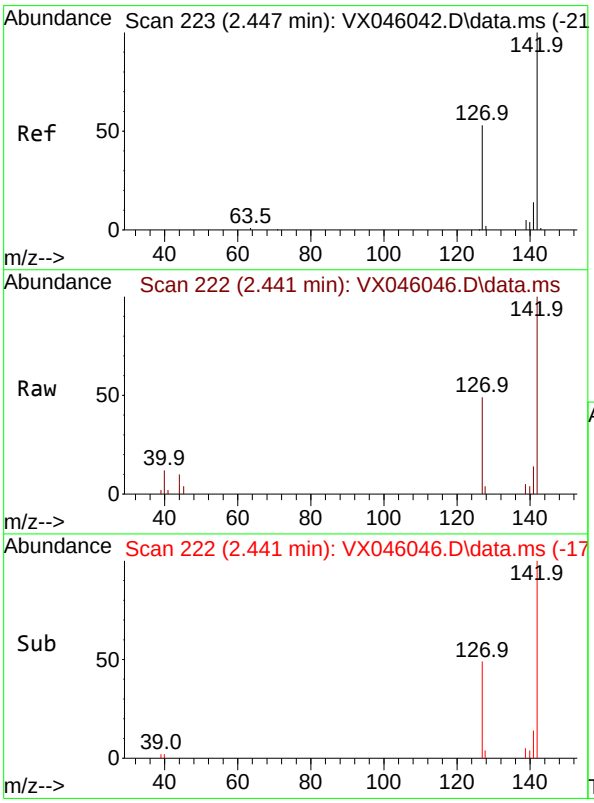
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

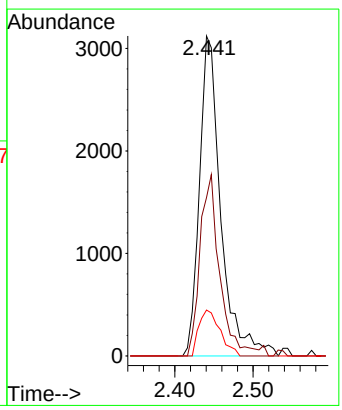


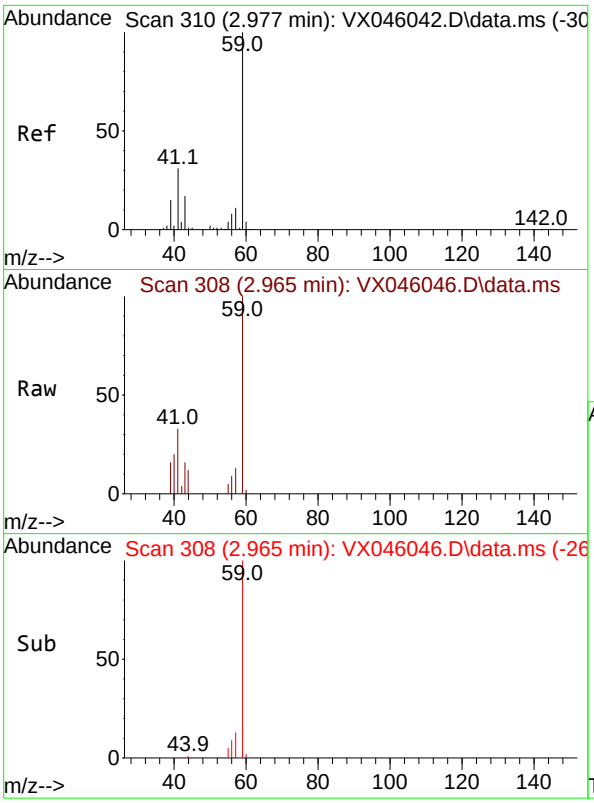


#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



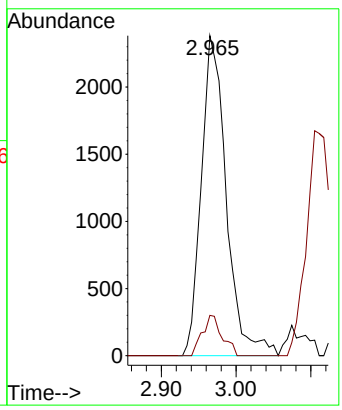


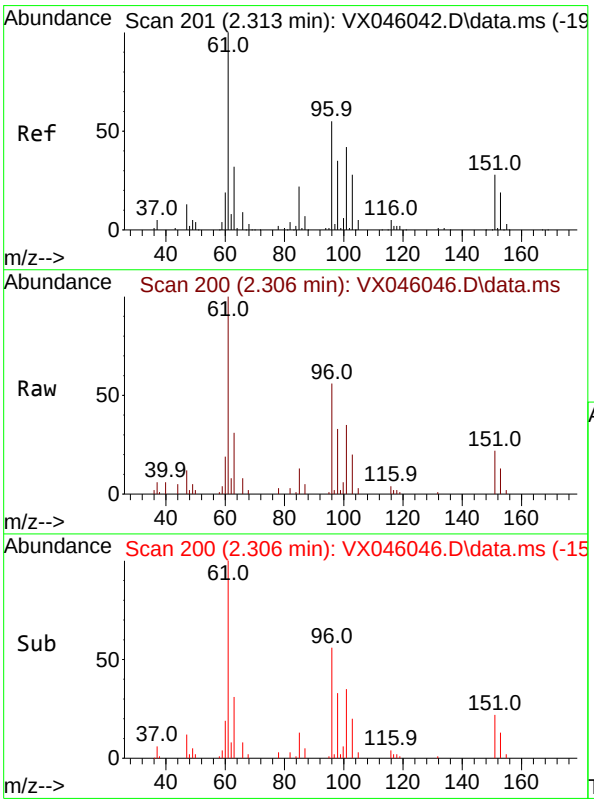
#11
Tert butyl alcohol
Concen: 16.111 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 5539

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

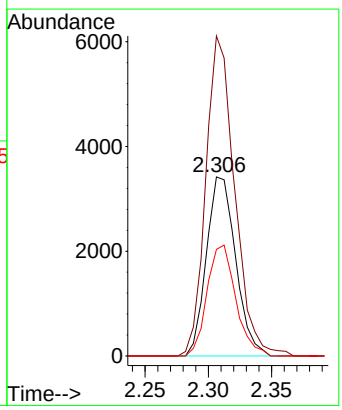


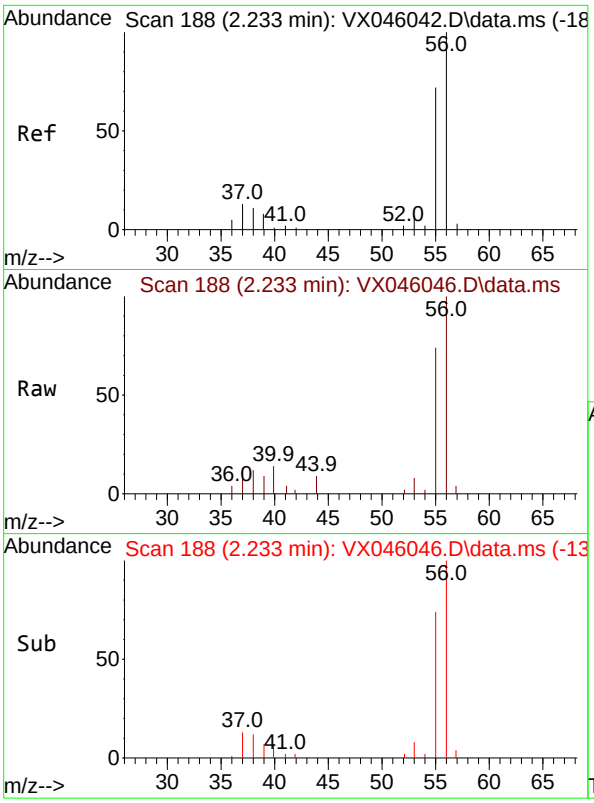


#12
1,1-Dichloroethene
Concen: 3.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



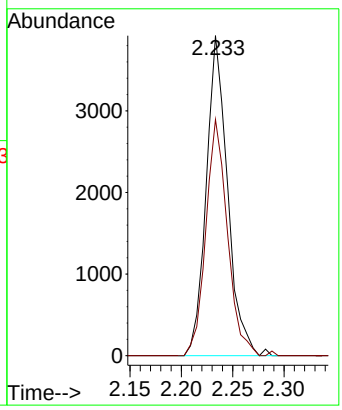


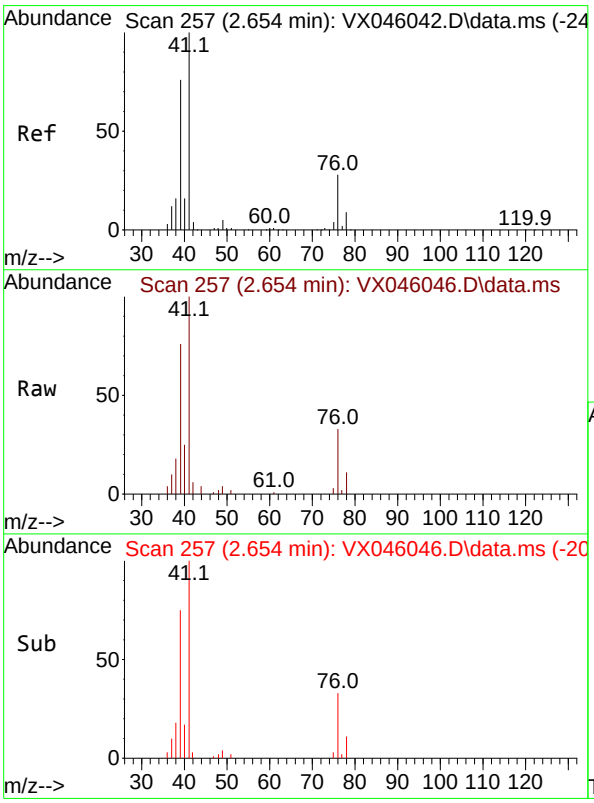
#13
Acrolein
Concen: 14.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 5673

Ion	Ratio	Lower	Upper
56	100		
55	74.5	56.2	84.4

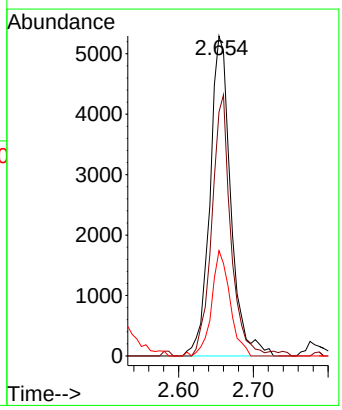


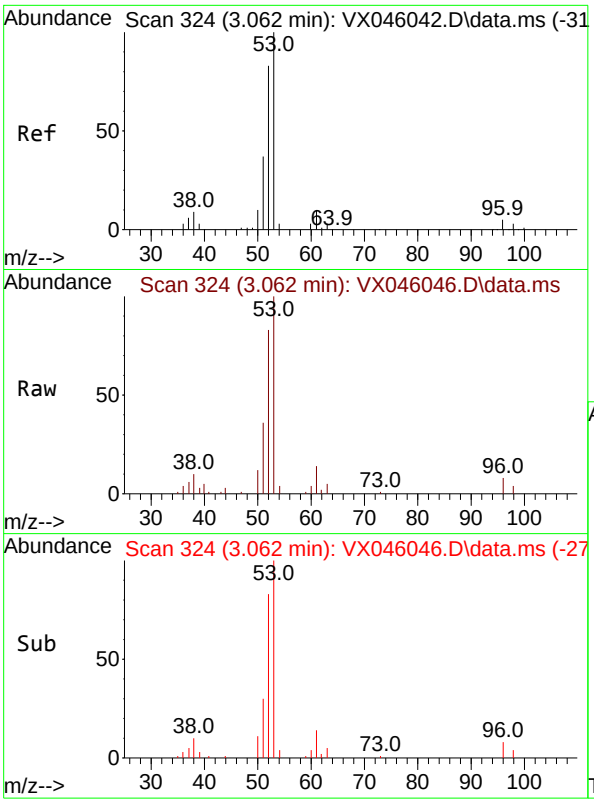


#14
Allyl chloride
Concen: 3.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



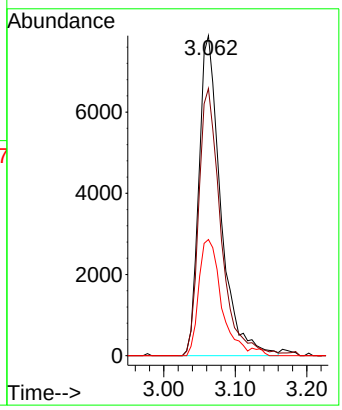


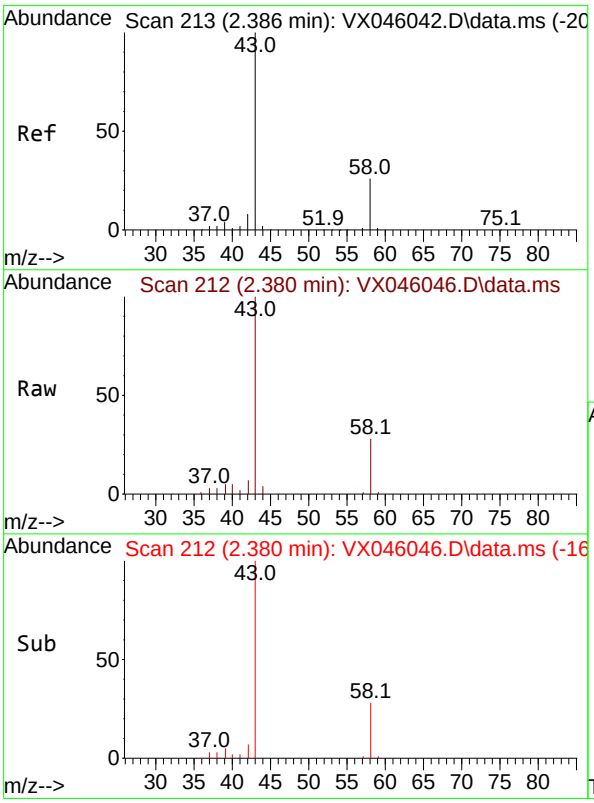
#15
Acrylonitrile
Concen: 16.282 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

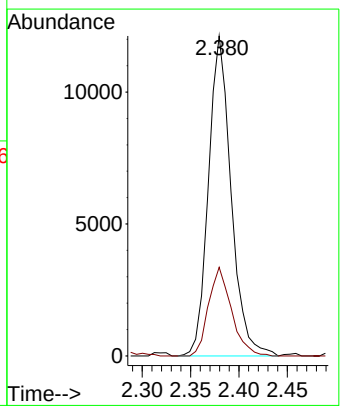


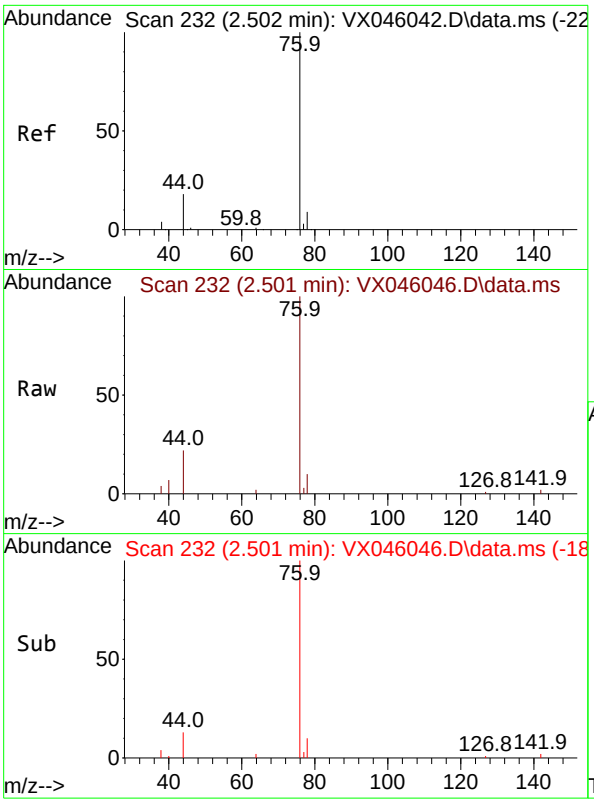


#16
Acetone
Concen: 20.036 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 19773

Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.2	31.8



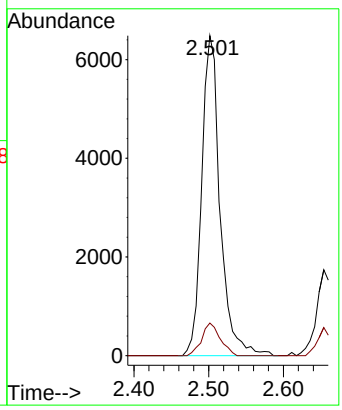


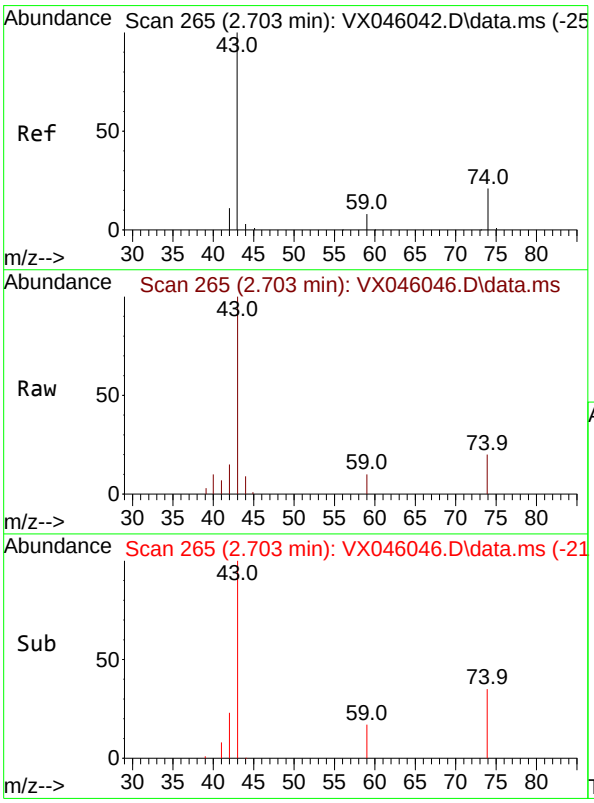
#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 11068

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.0	10.4

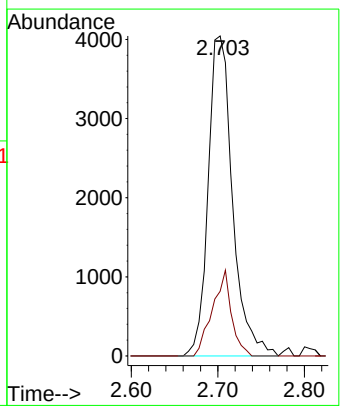


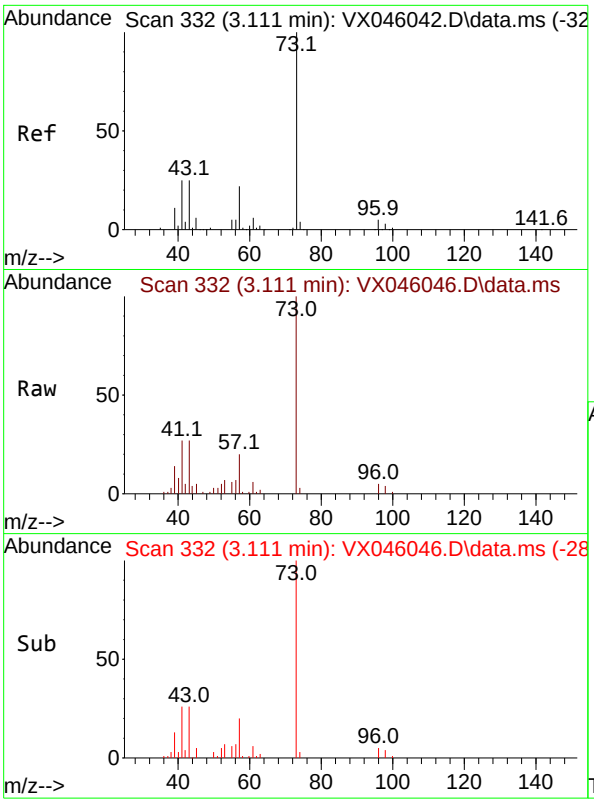


#18
Methyl Acetate
Concen: 3.357 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 7909

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1



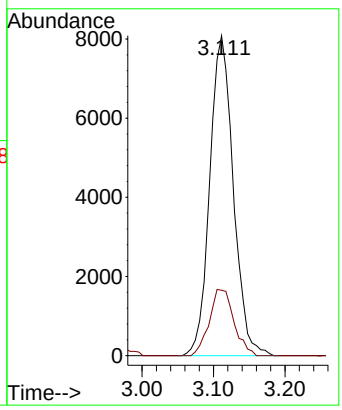


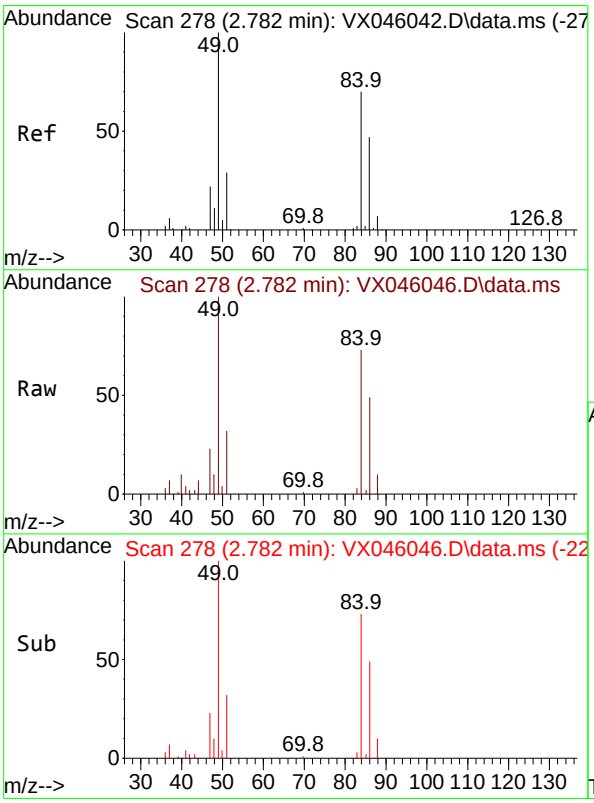
#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 18497

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5

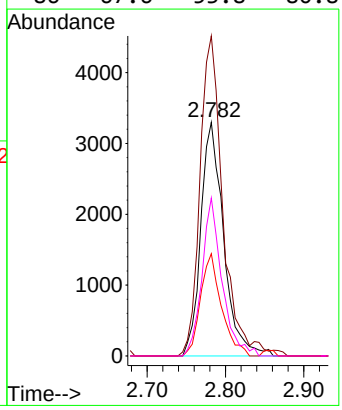


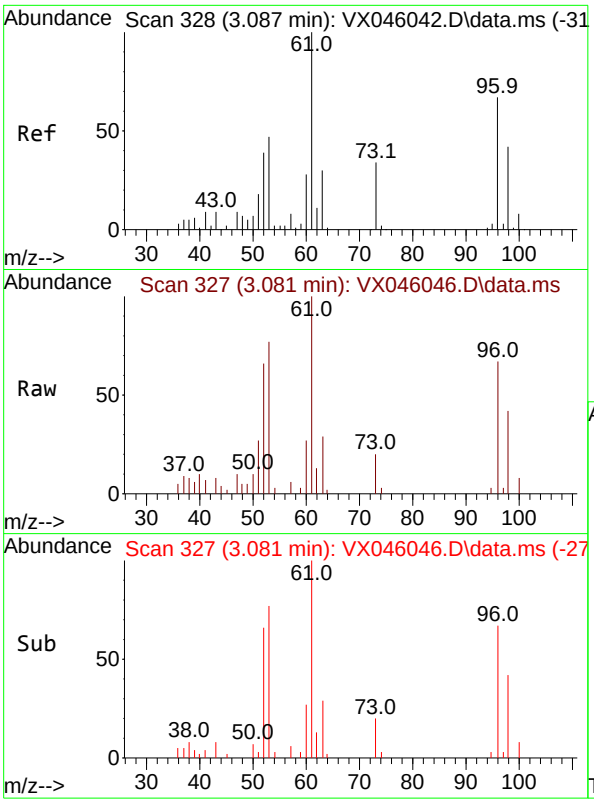


#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



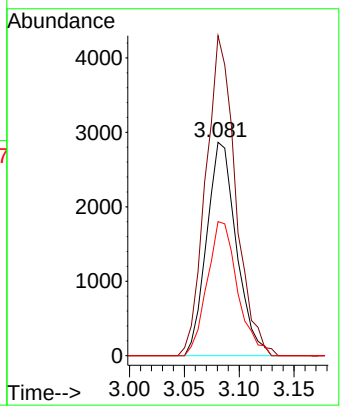


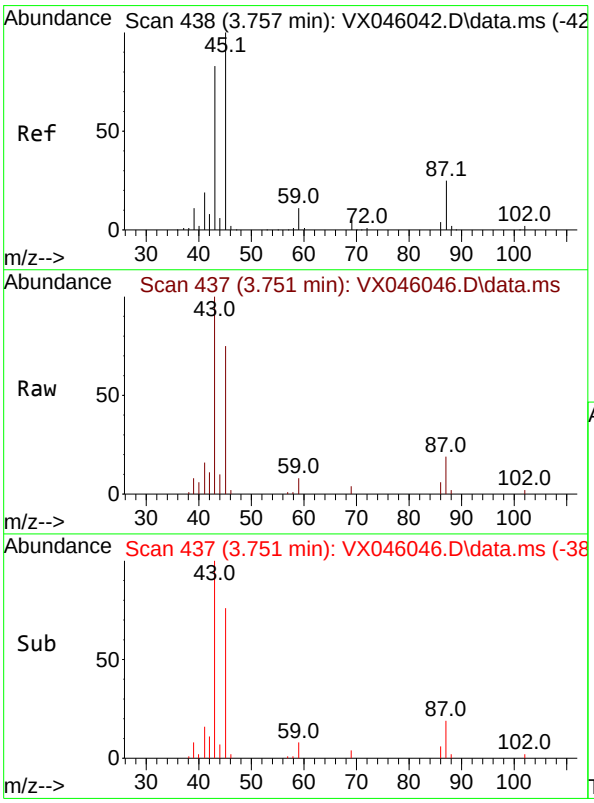
#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

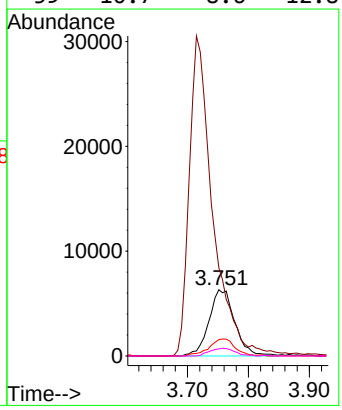


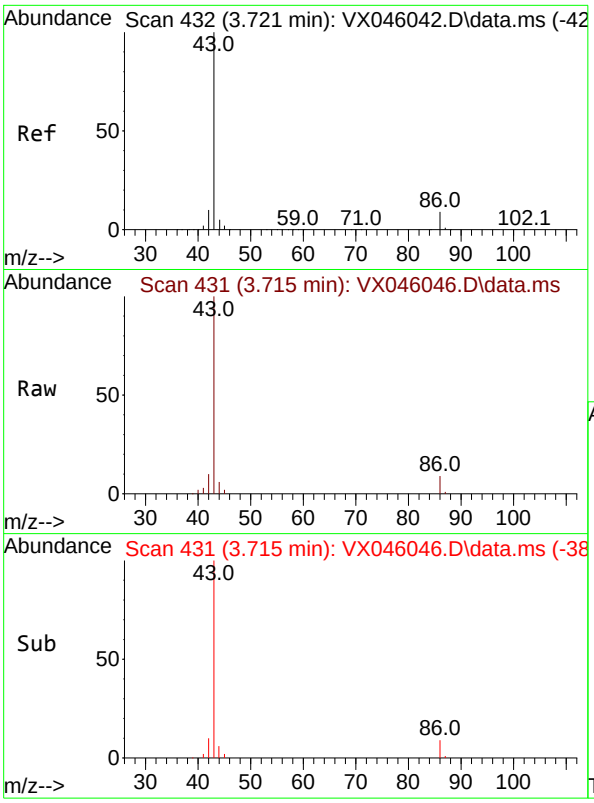


#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



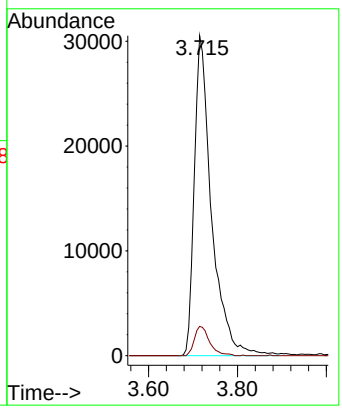


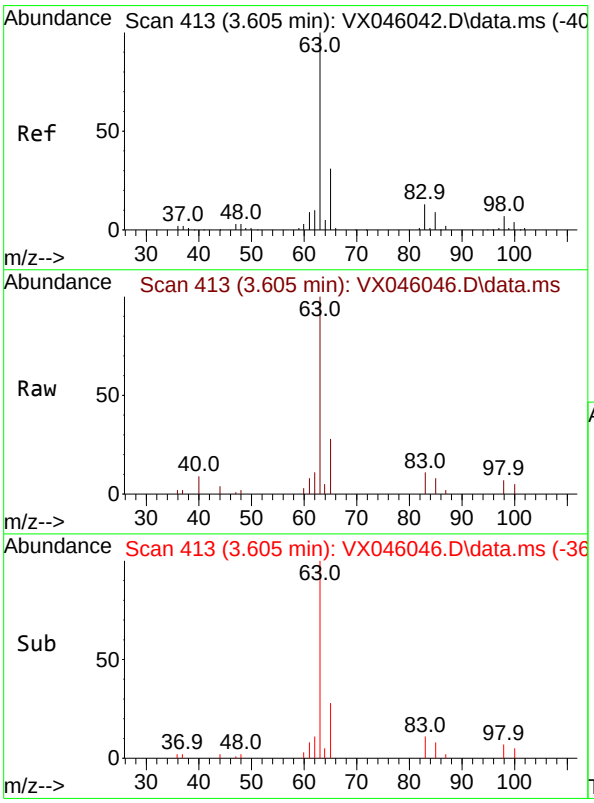
#23
Vinyl Acetate
Concen: 16.127 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 82328

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

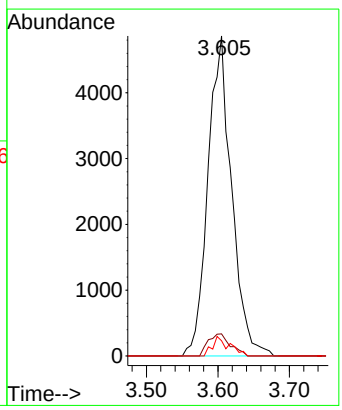


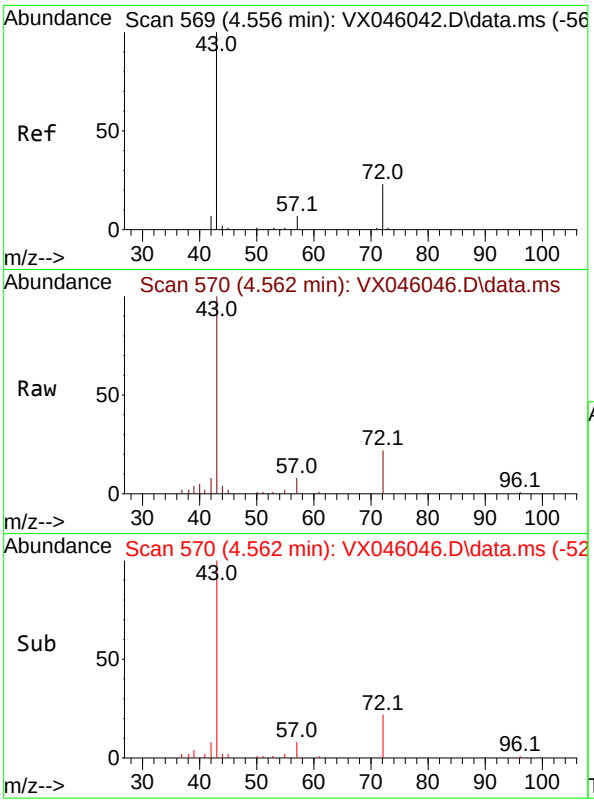


#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



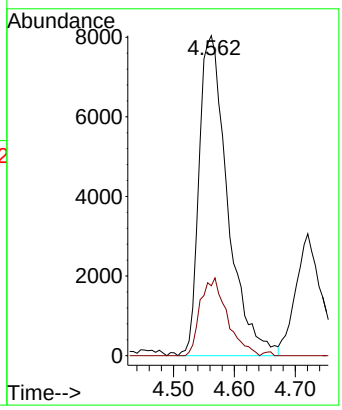


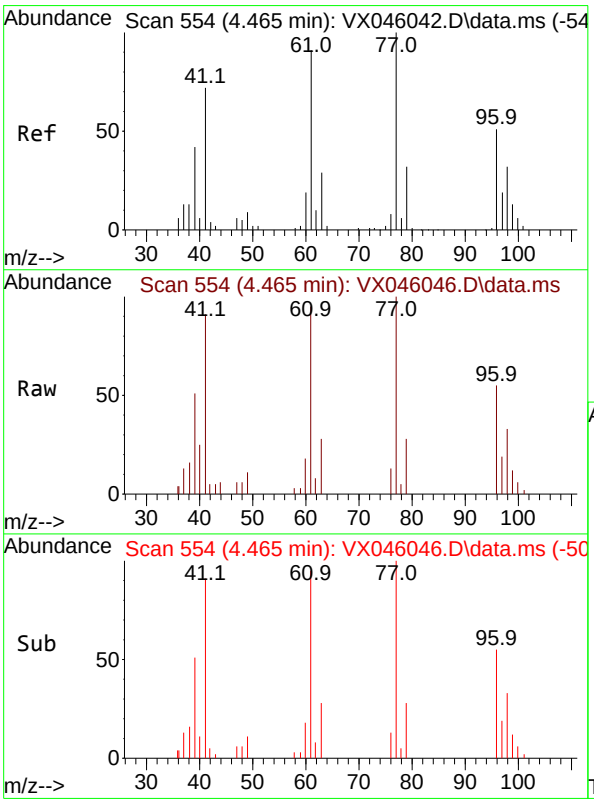
#25
2-Butanone
Concen: 18.340 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 26125

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.4	27.6

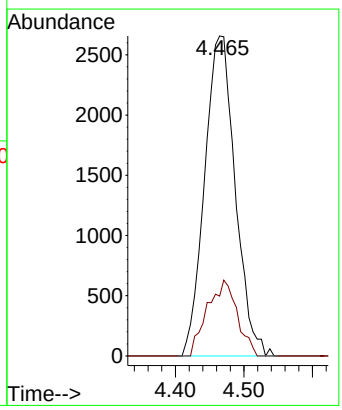


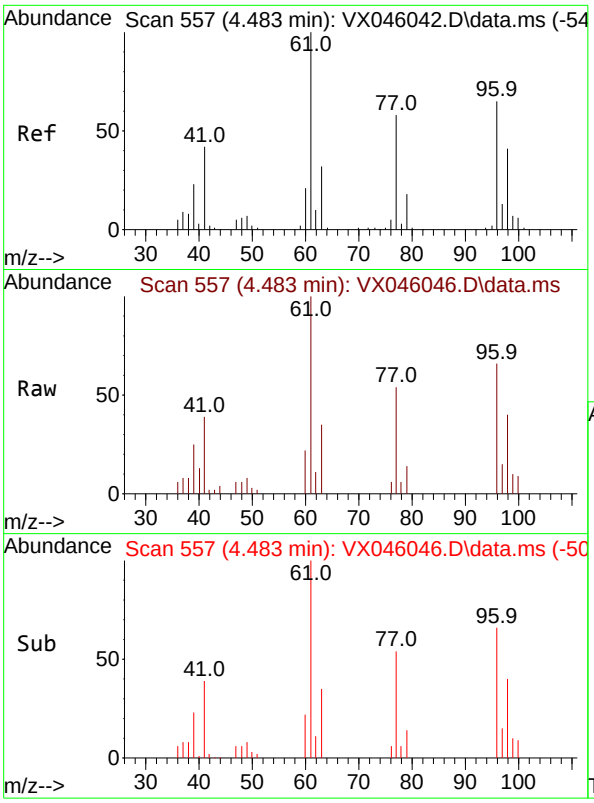


#26
2,2-Dichloropropane
Concen: 3.205 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 77 Resp: 8245

Ion	Ratio	Lower	Upper
77	100		
97	23.1	10.5	31.5



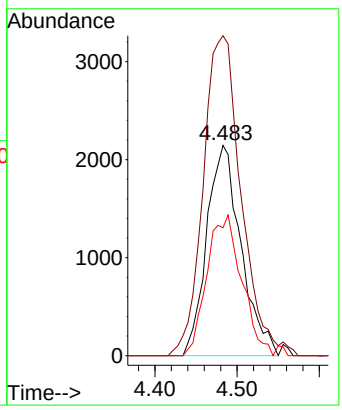


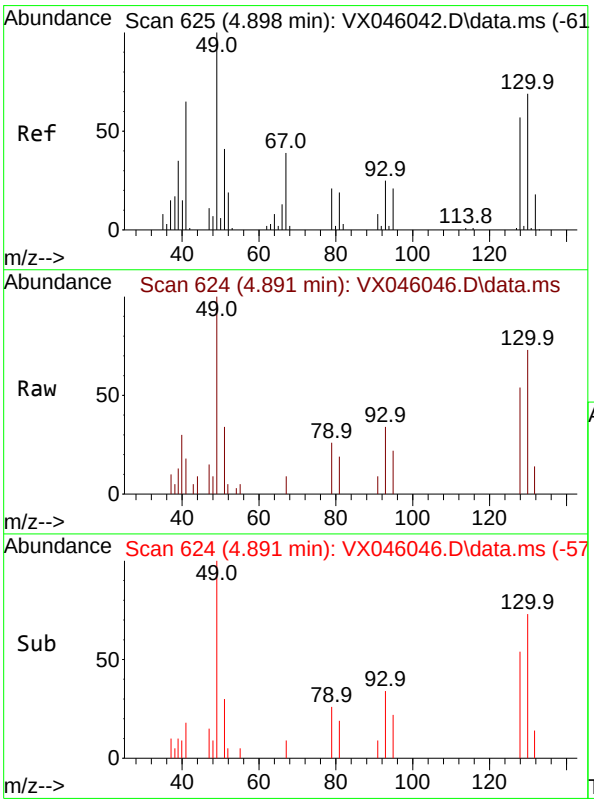
#27
cis-1,2-Dichloroethene
Concen: 3.089 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

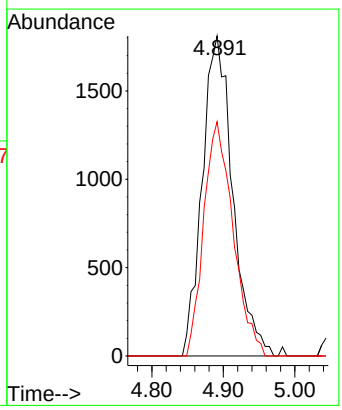


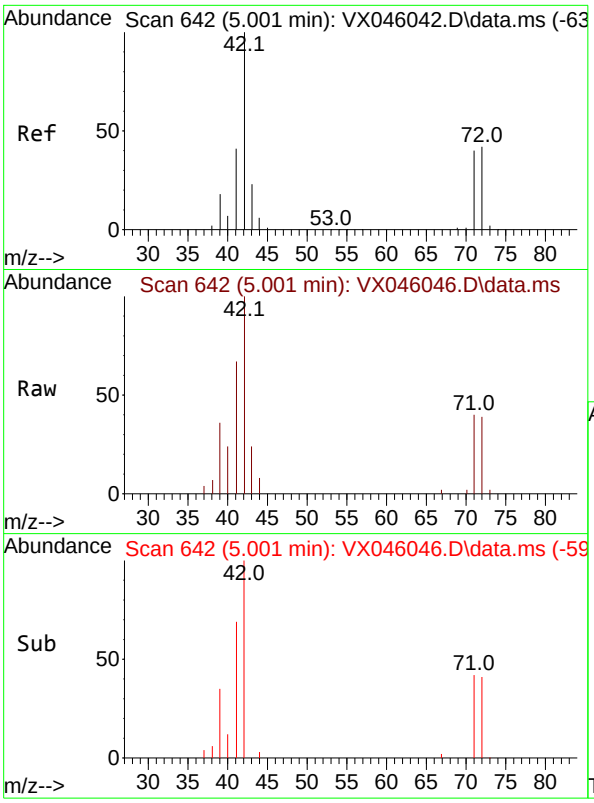


#28
Bromochloromethane
Concen: 2.969 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



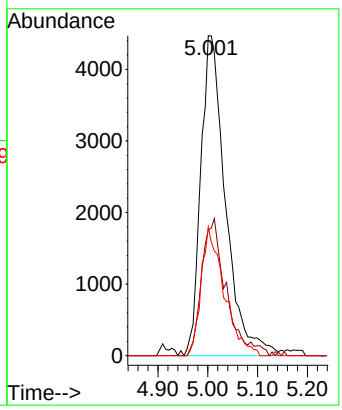


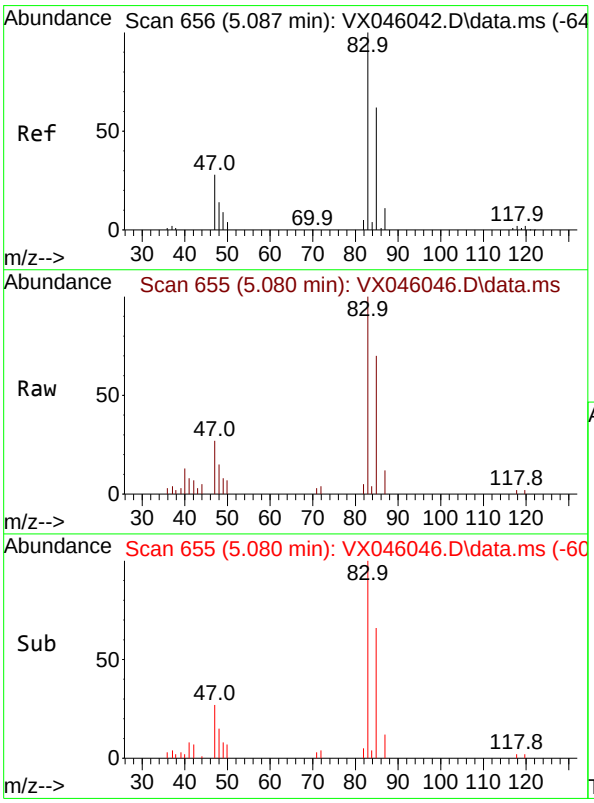
#29
Tetrahydrofuran
Concen: 16.680 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

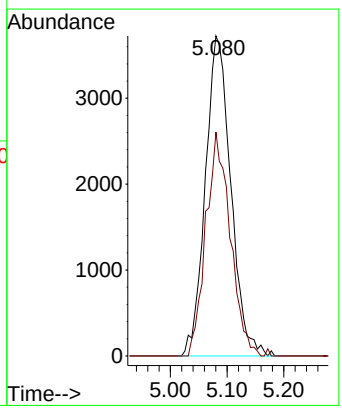


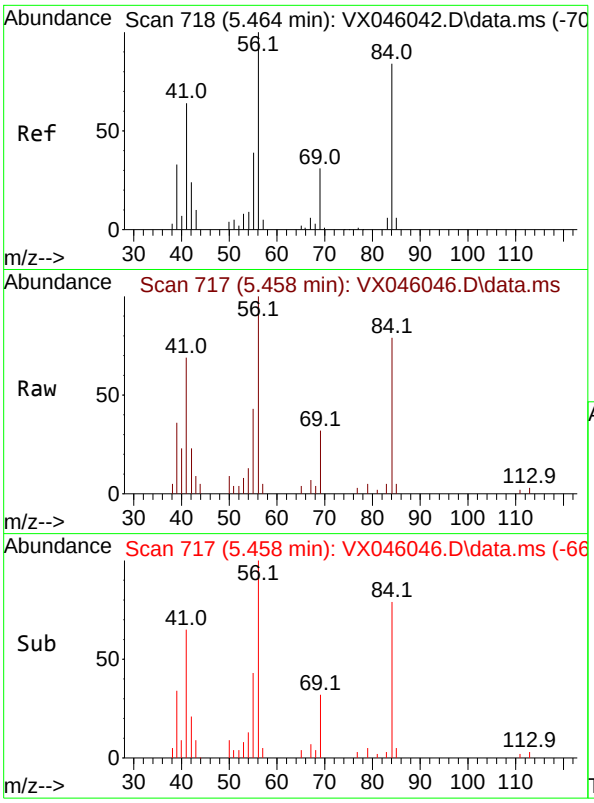


#30
Chloroform
Concen: 3.294 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 11624

Ion	Ratio	Lower	Upper
83	100		
85	69.9	49.3	73.9



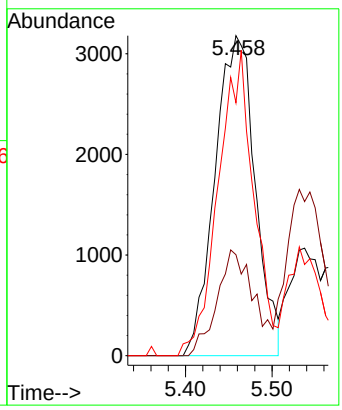


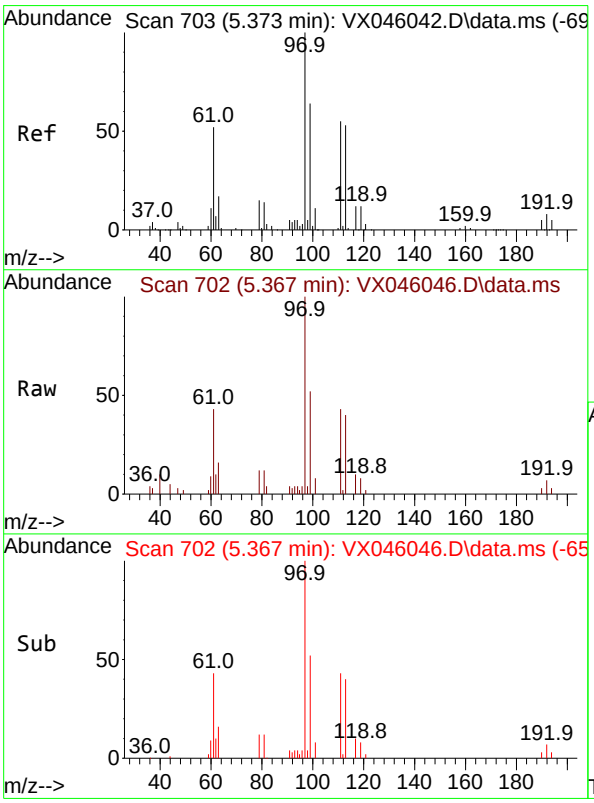
#31
Cyclohexane
Concen: 3.588 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

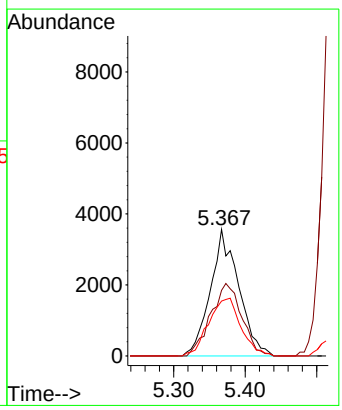


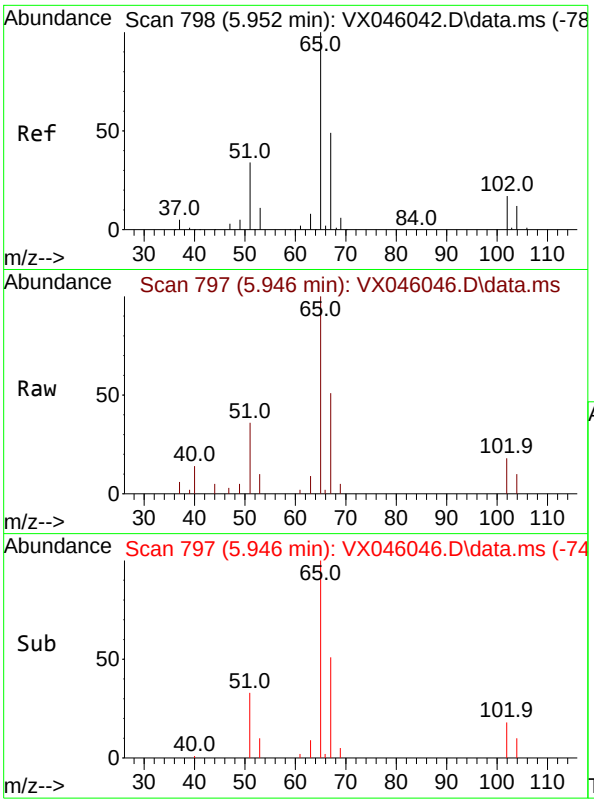


#32
1,1,1-Trichloroethane
Concen: 3.229 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



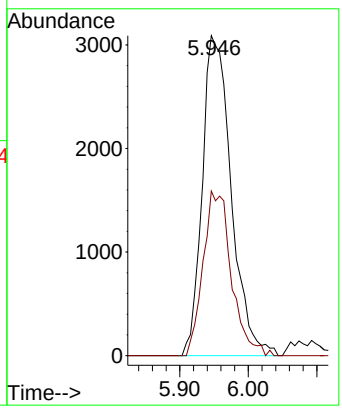


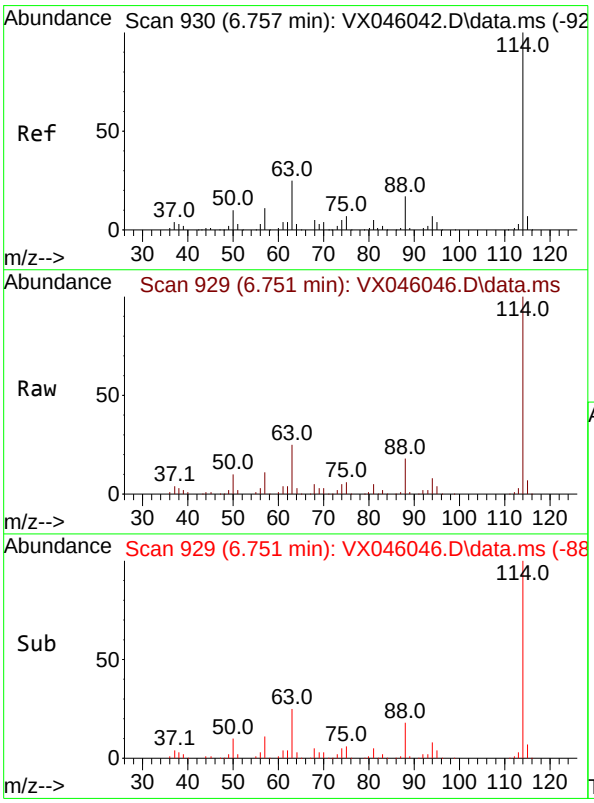
#33
1,2-Dichloroethane-d4
Concen: 3.143 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 9067

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0

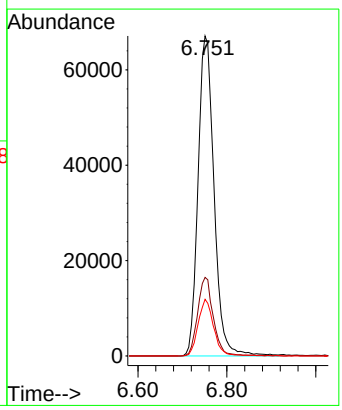


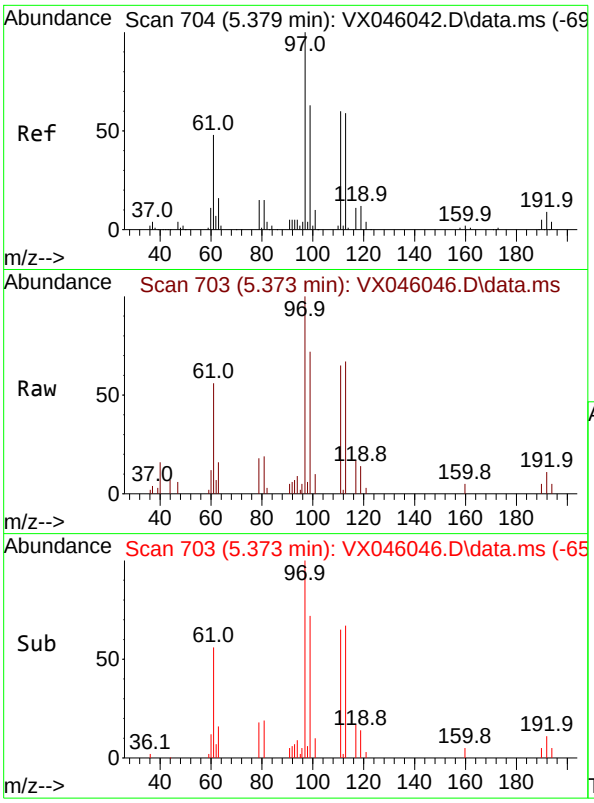


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



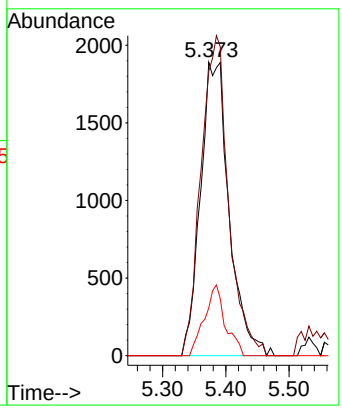


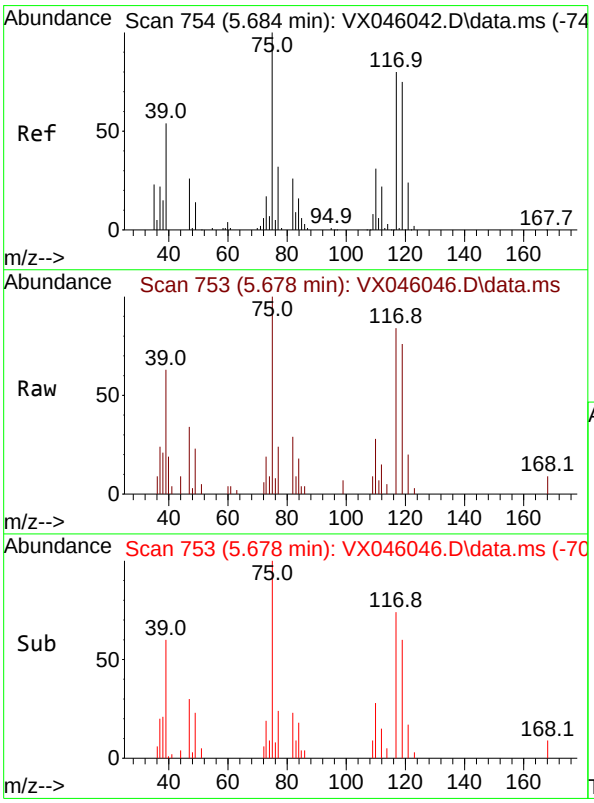
#35
Dibromofluoromethane
Concen: 3.161 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

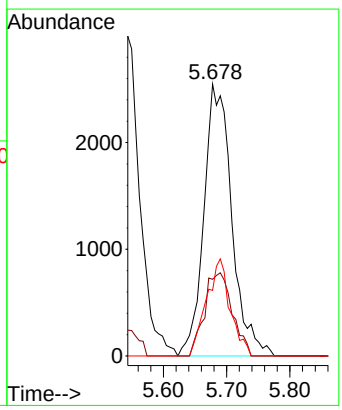


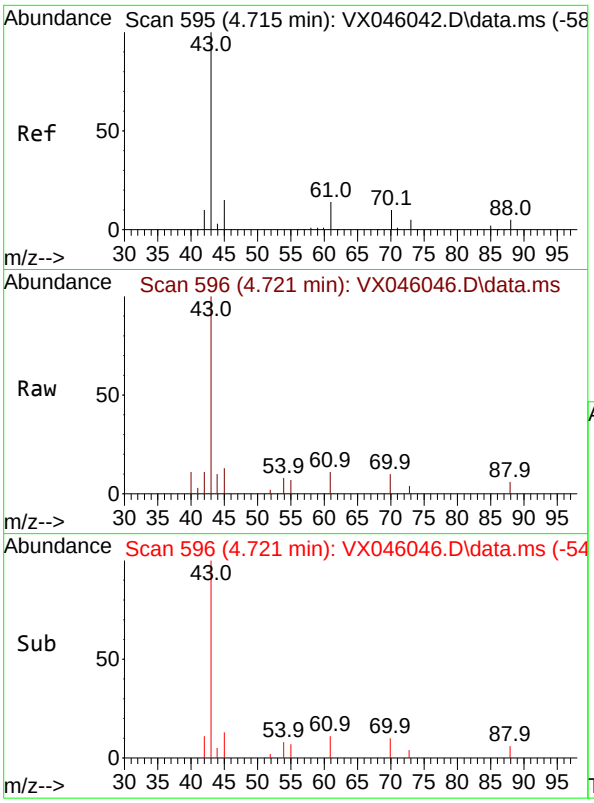


#36
1,1-Dichloropropene
Concen: 3.551 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



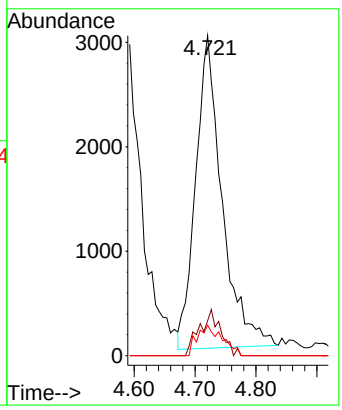


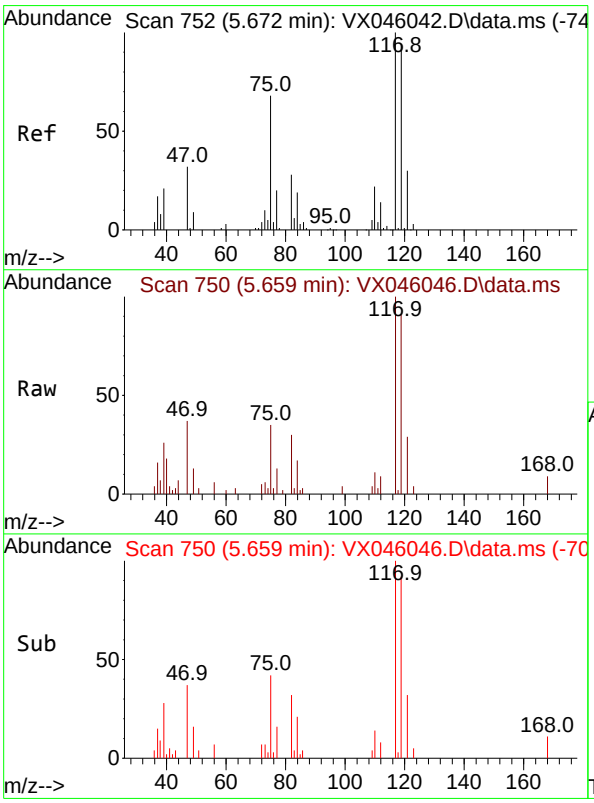
#37
Ethyl Acetate
Concen: 3.279 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

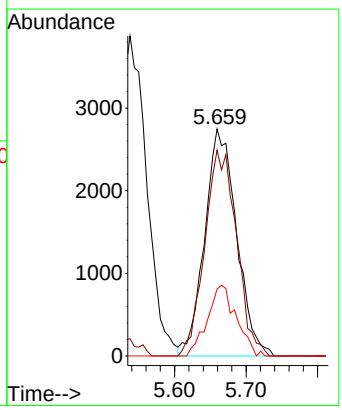


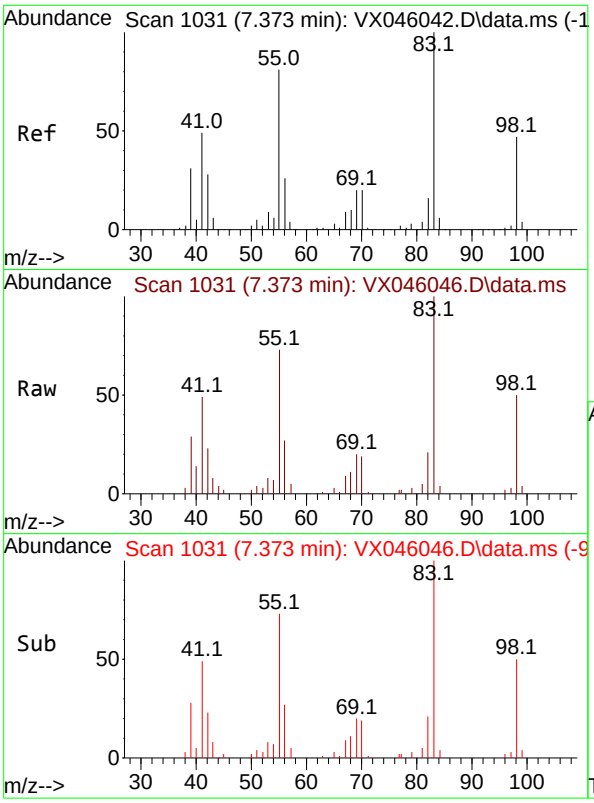


#38
Carbon Tetrachloride
Concen: 3.376 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



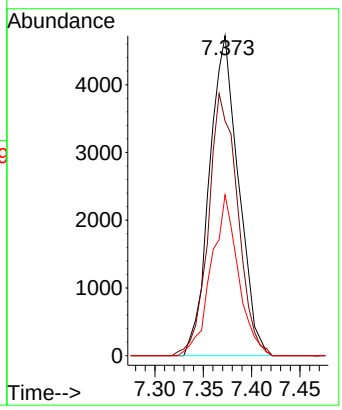


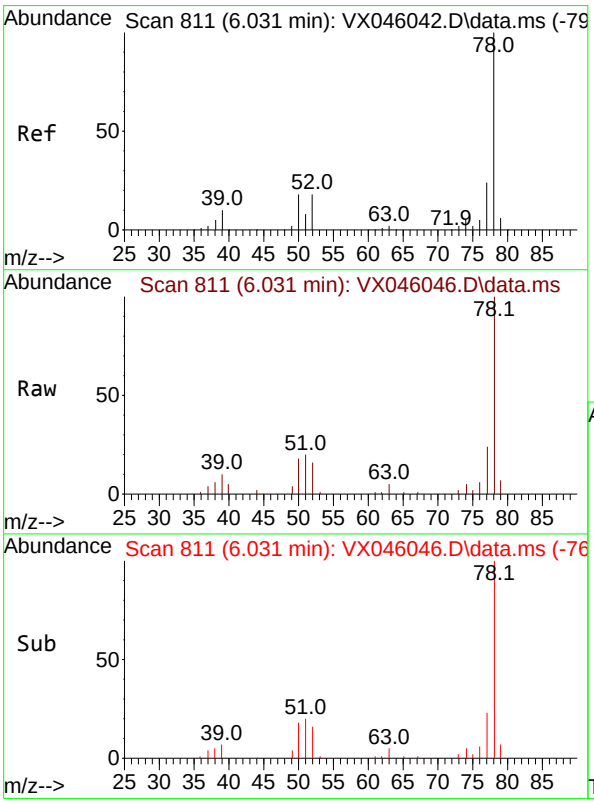
#39
Methylcyclohexane
Concen: 3.597 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

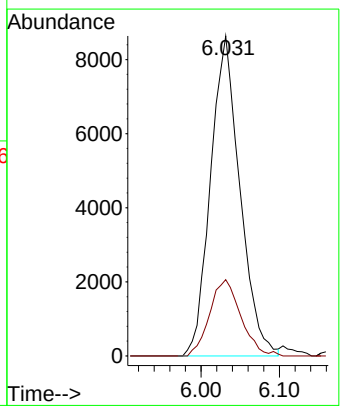


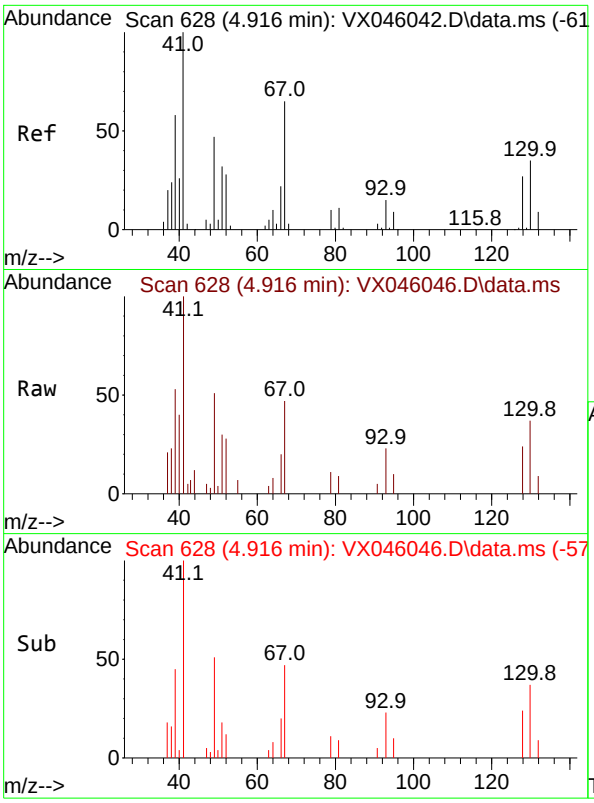


#40
Benzene
Concen: 3.315 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 78 Resp: 22528

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4



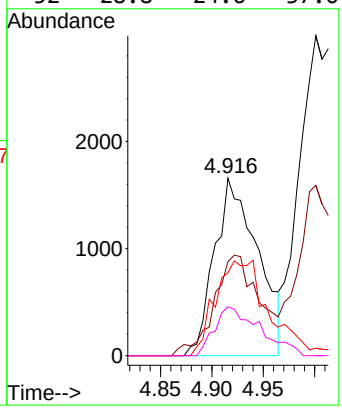


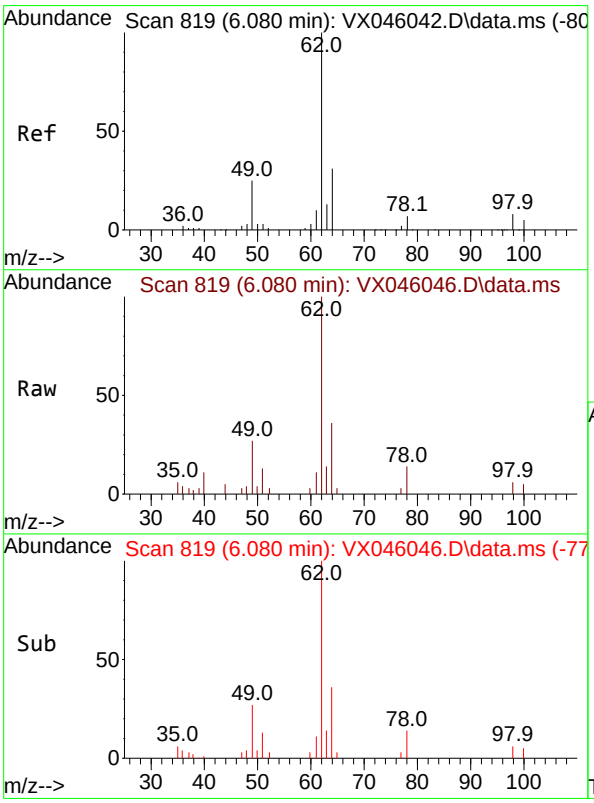
#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

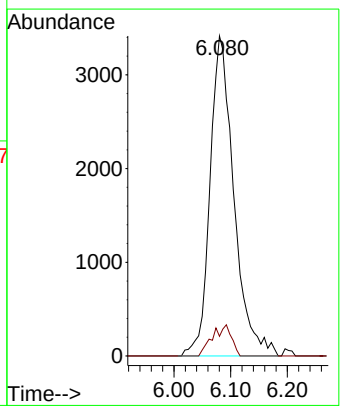


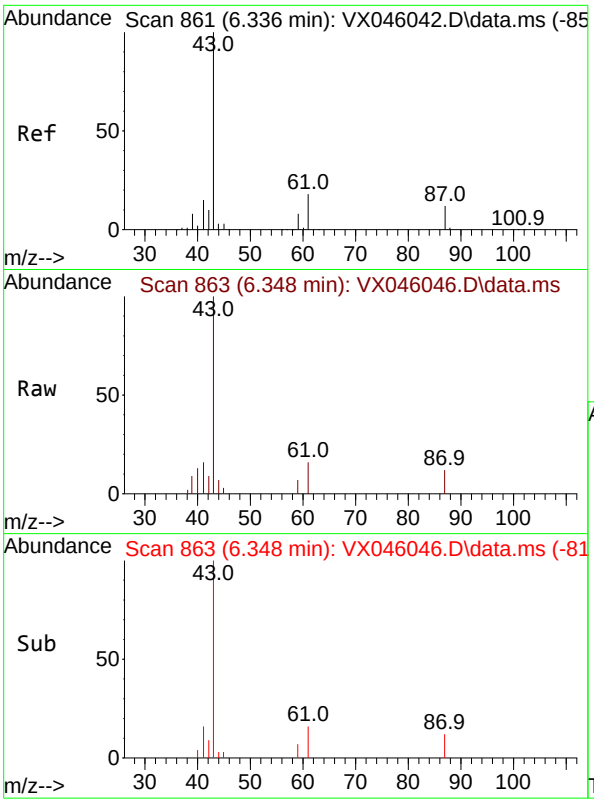


#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 10011

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2



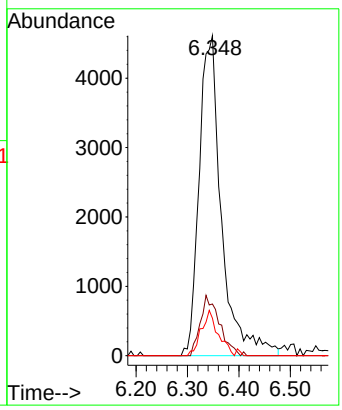


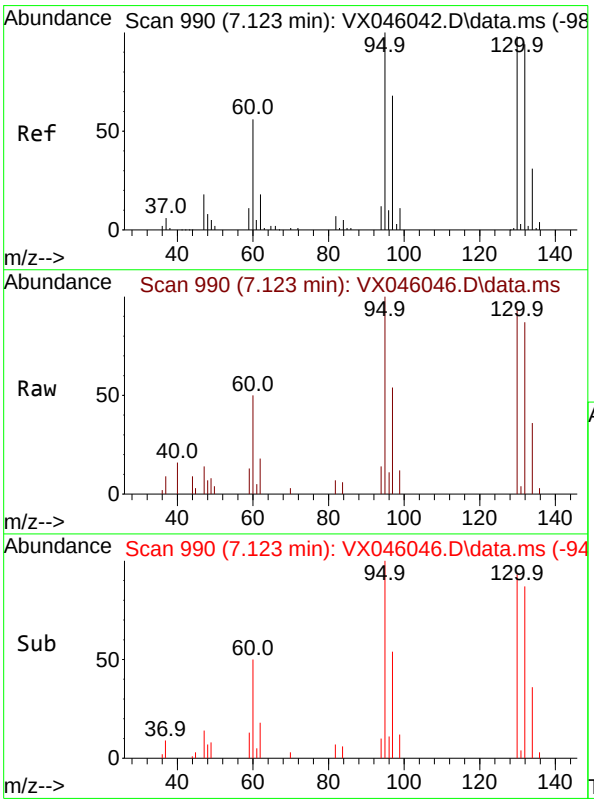
#43
Isopropyl Acetate
Concen: 3.309 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

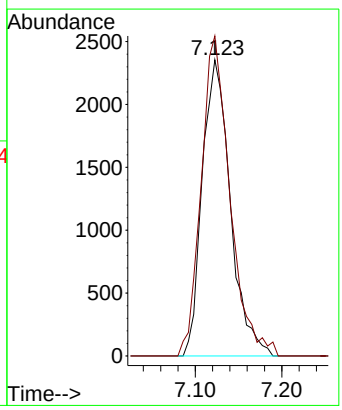


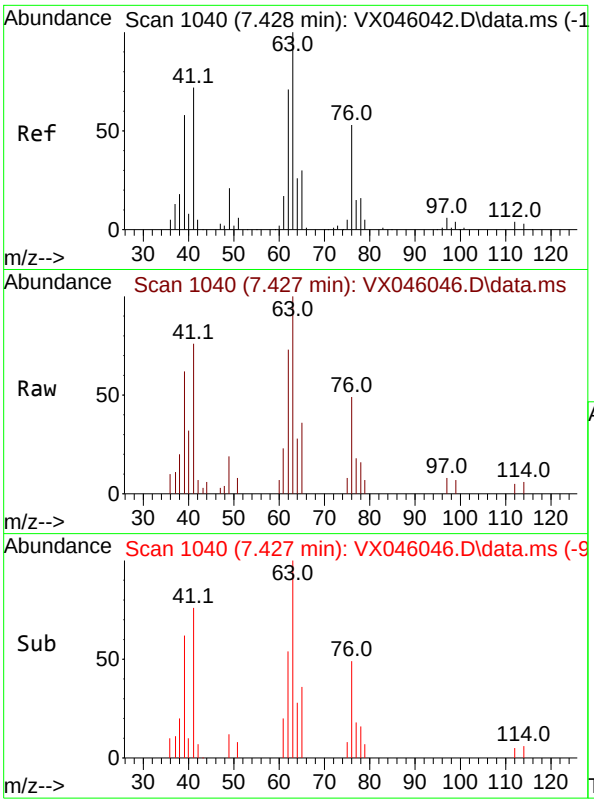


#44
Trichloroethene
Concen: 3.307 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:130 Resp: 5313

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	204.2



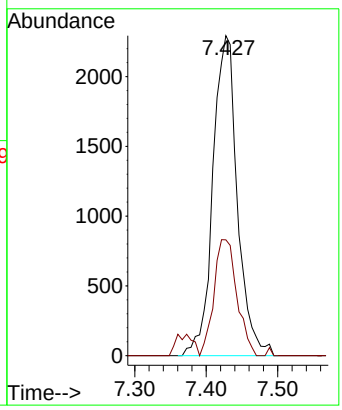


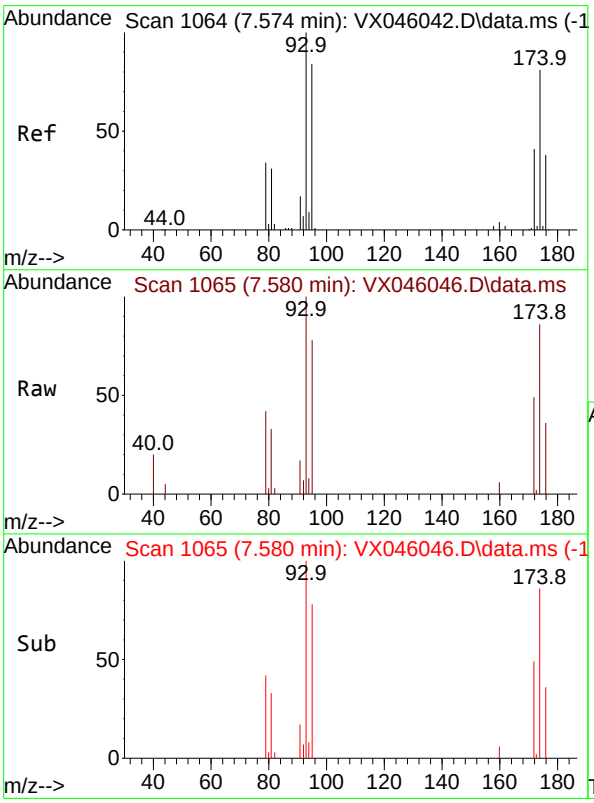
#45
1,2-Dichloropropane
Concen: 3.228 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 5451

Ion	Ratio	Lower	Upper
63	100		
65	36.2	24.1	36.1#

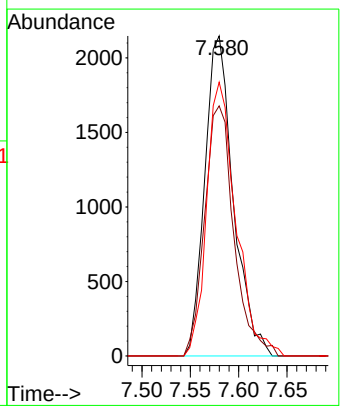


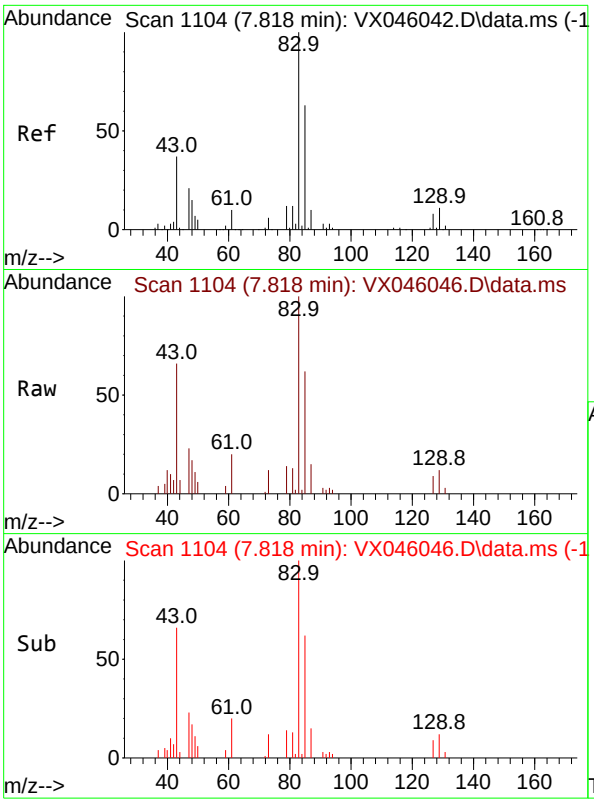


#46
Dibromomethane
Concen: 3.318 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



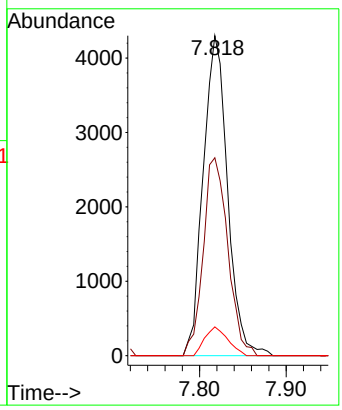


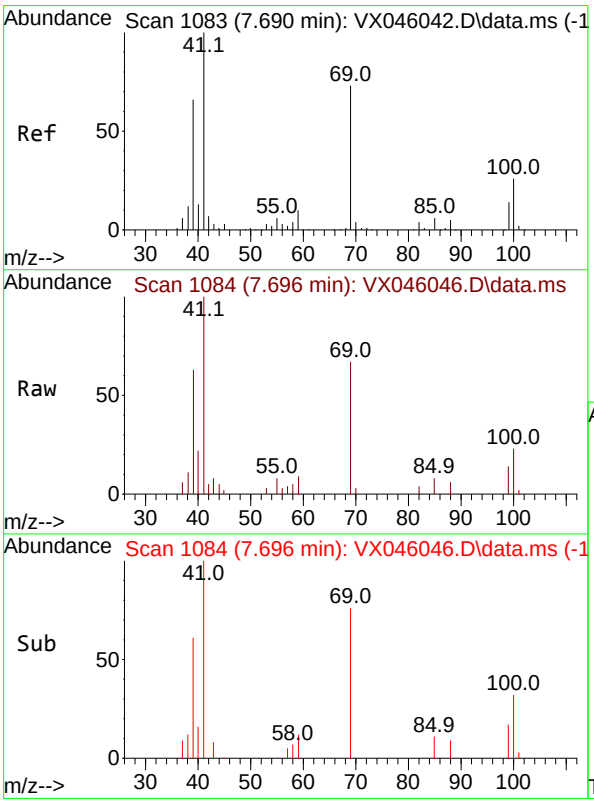
#47
Bromodichloromethane
Concen: 3.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

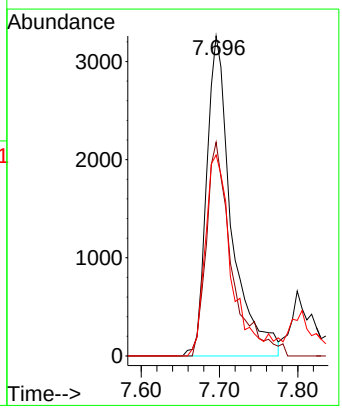


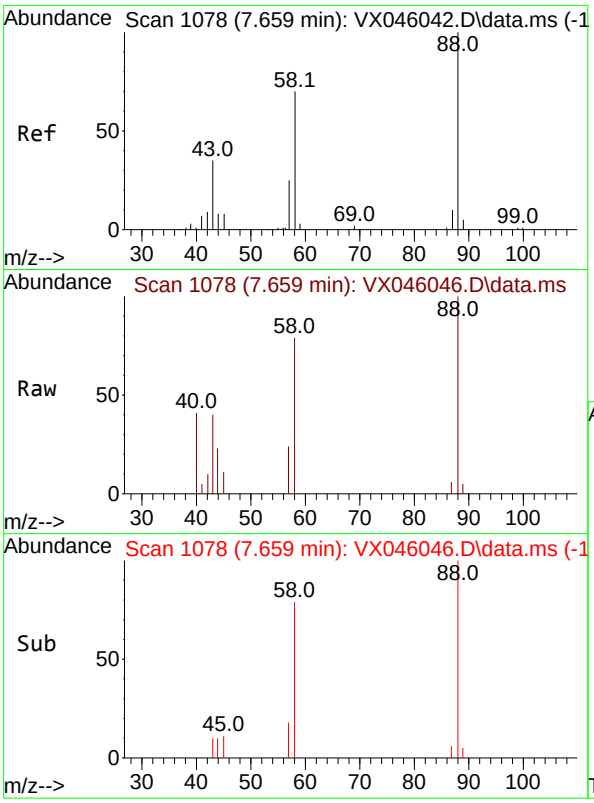


#48
Methyl methacrylate
Concen: 3.321 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



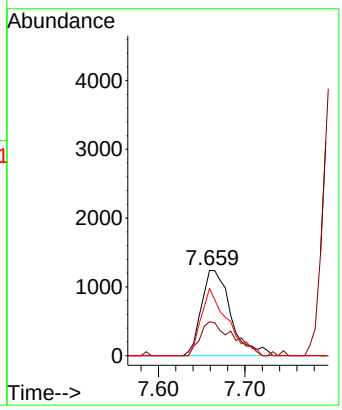


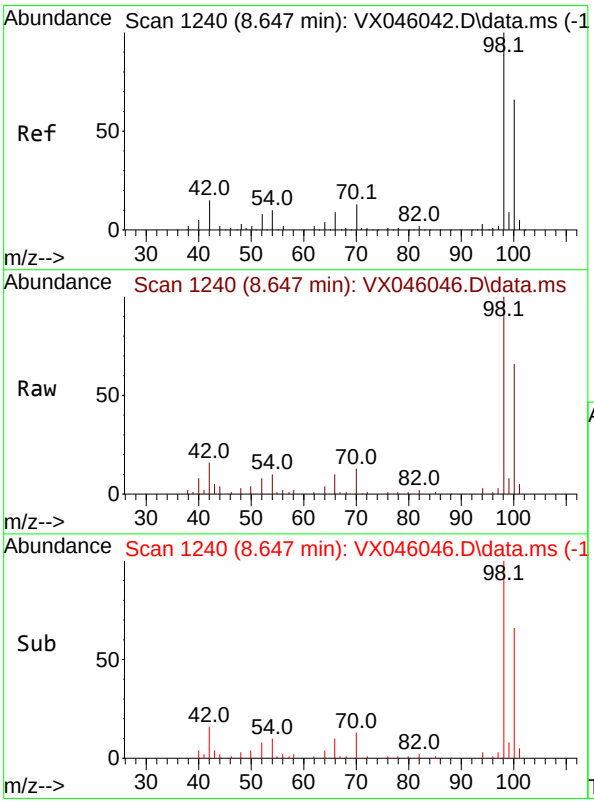
#49
1,4-Dioxane
Concen: 67.721 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

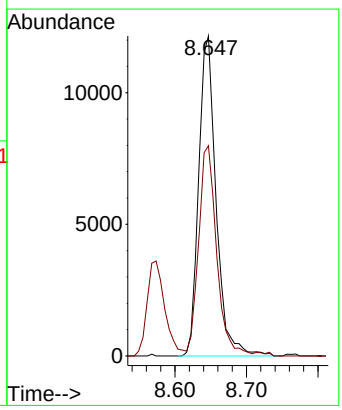


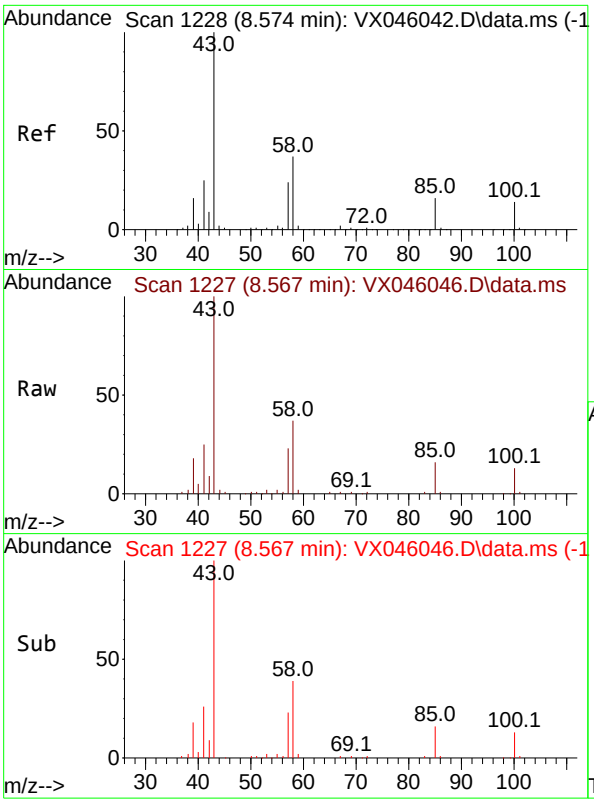


#50
Toluene-d8
Concen: 3.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 98 Resp: 20566

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.5	80.3



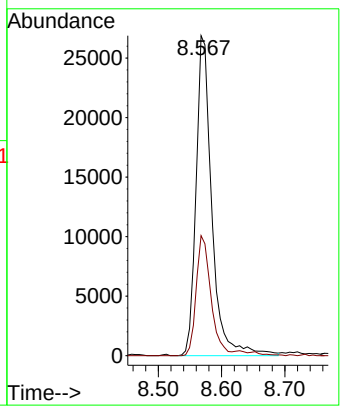


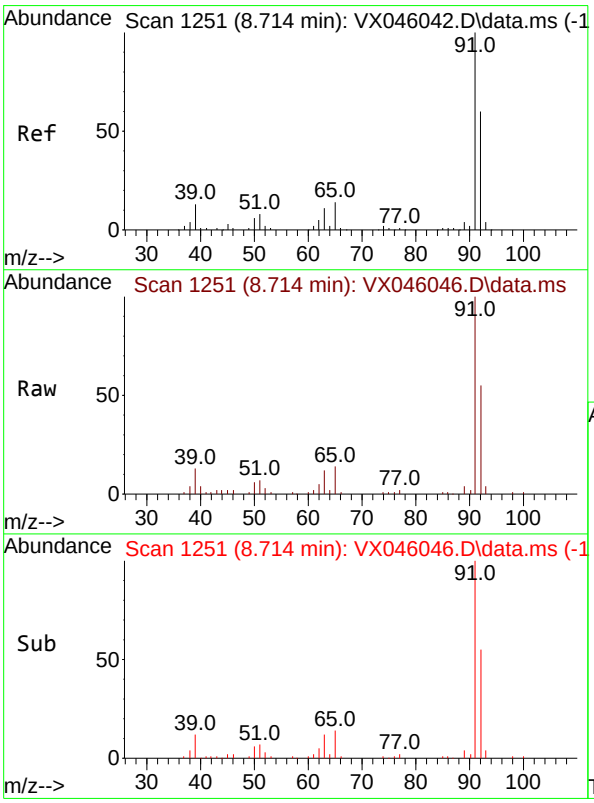
#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 46794

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

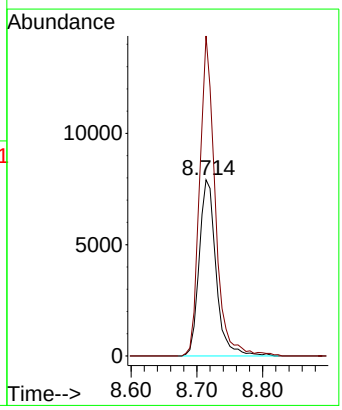


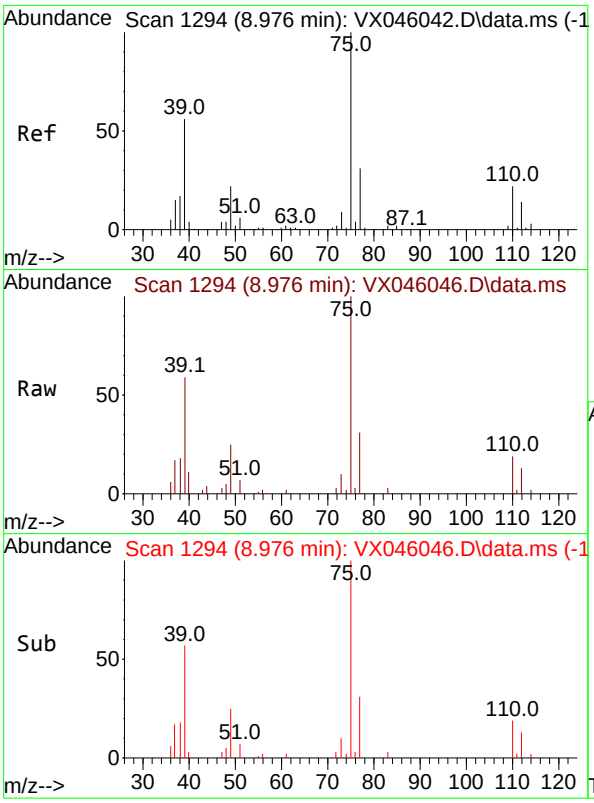


#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126

Ion	Ratio	Lower	Upper
92	100		
91	167.2	136.6	205.0



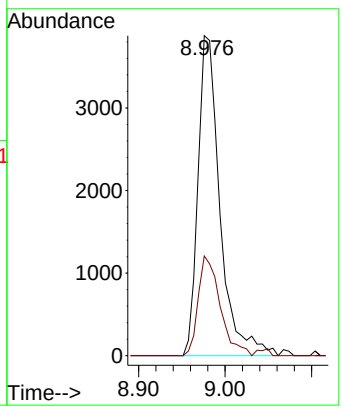


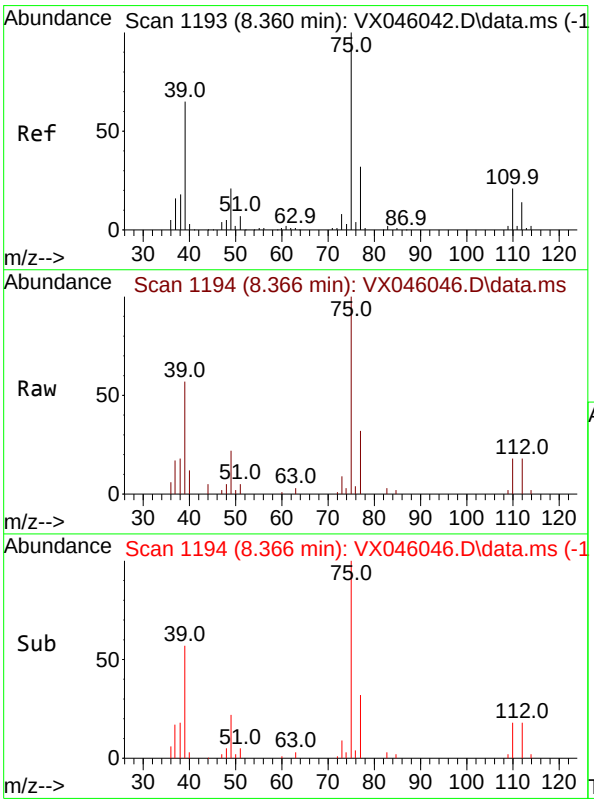
#53
t-1,3-Dichloropropene
Concen: 3.155 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 6834

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6

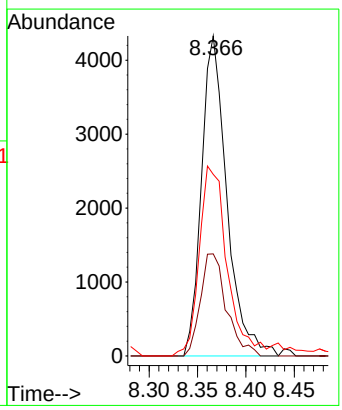


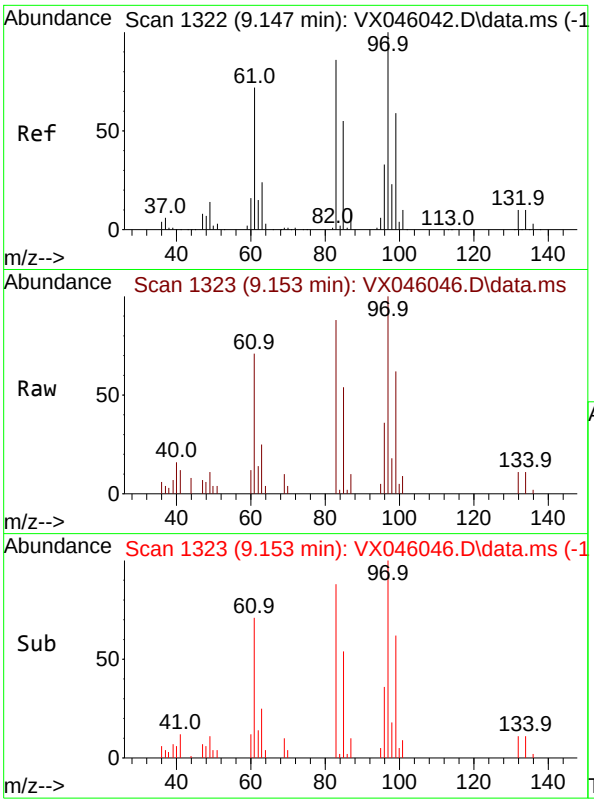


#54
cis-1,3-Dichloropropene
Concen: 3.129 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



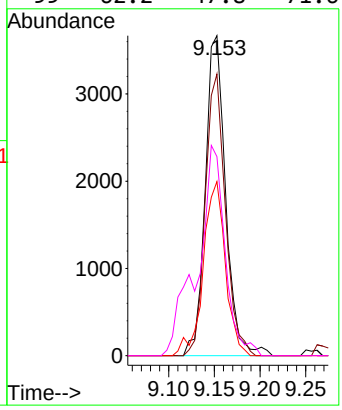


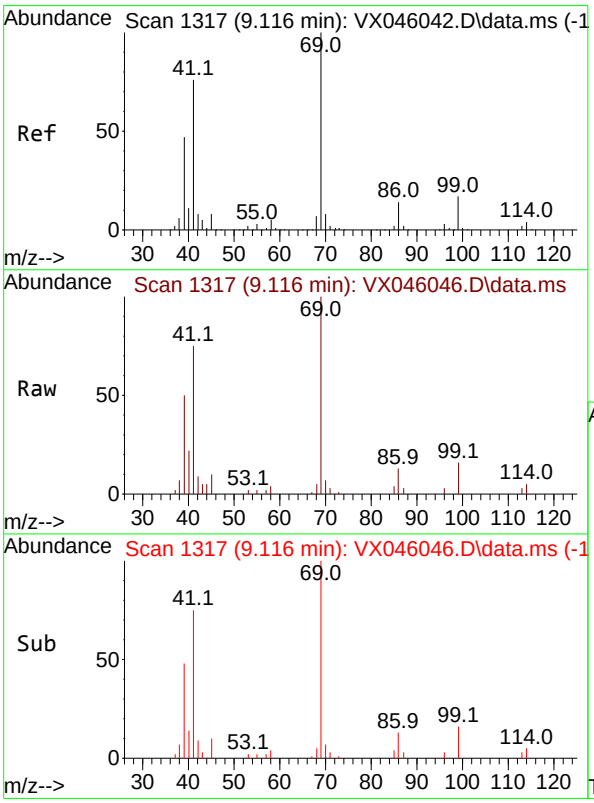
#55
1,1,2-Trichloroethane
Concen: 3.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

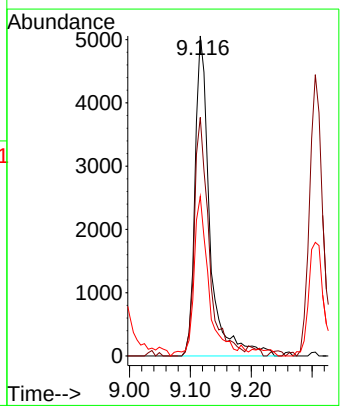


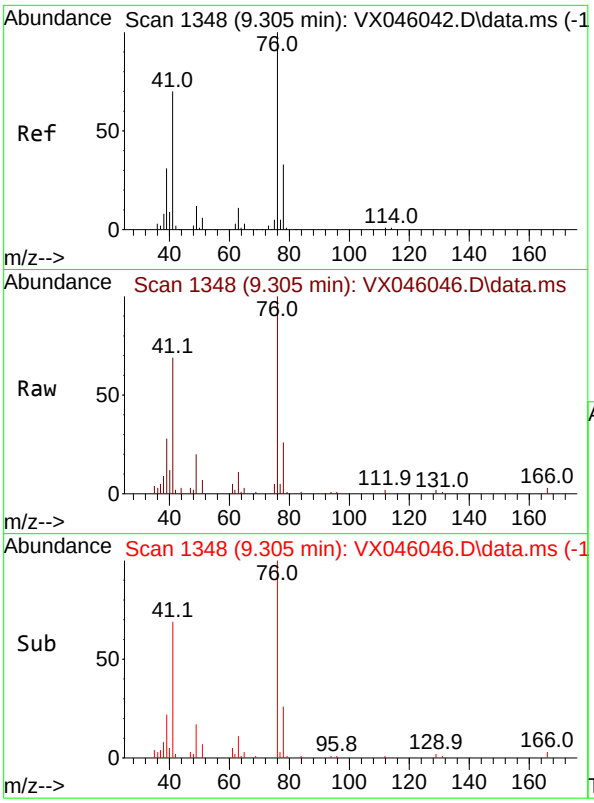


#56
Ethyl methacrylate
Concen: 3.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



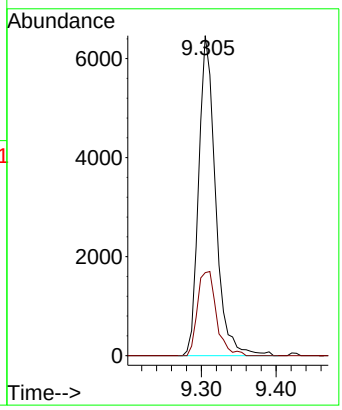


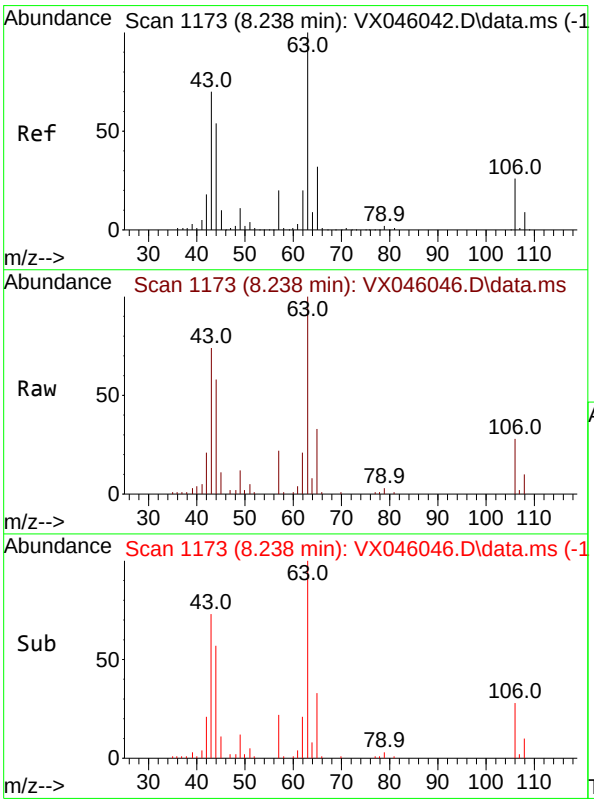
#57
1,3-Dichloropropane
Concen: 3.508 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 10127

Ion	Ratio	Lower	Upper
76	100		
78	29.5	26.3	39.5

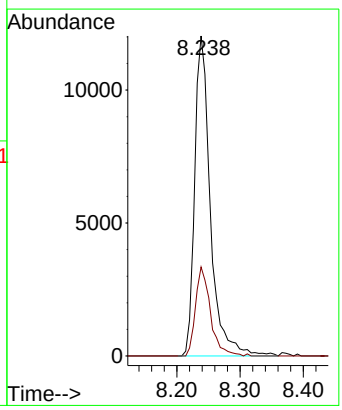


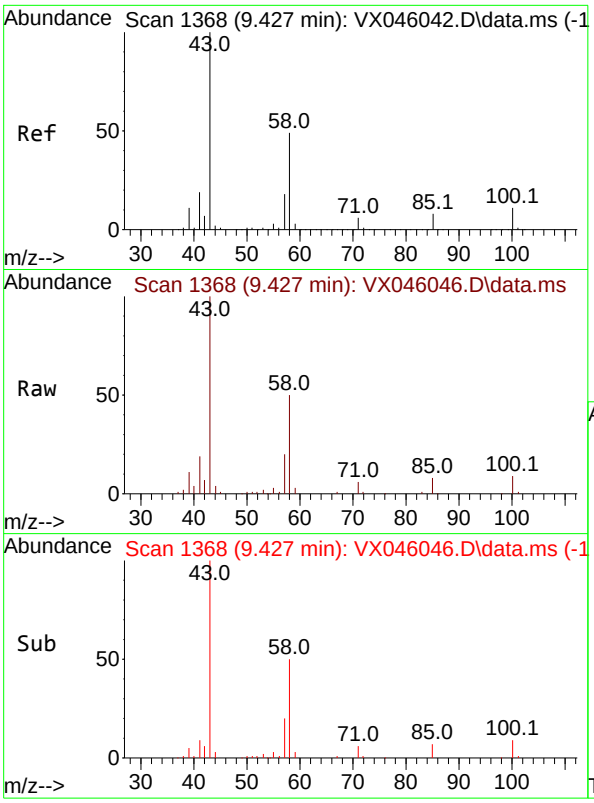


#58
2-Chloroethyl Vinyl ether
Concen: 18.346 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 20809

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



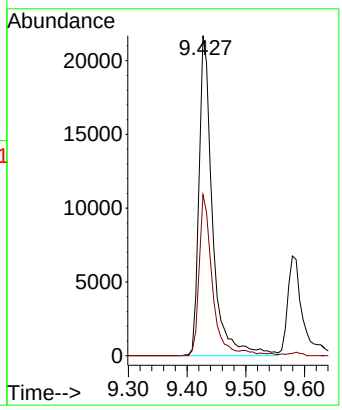


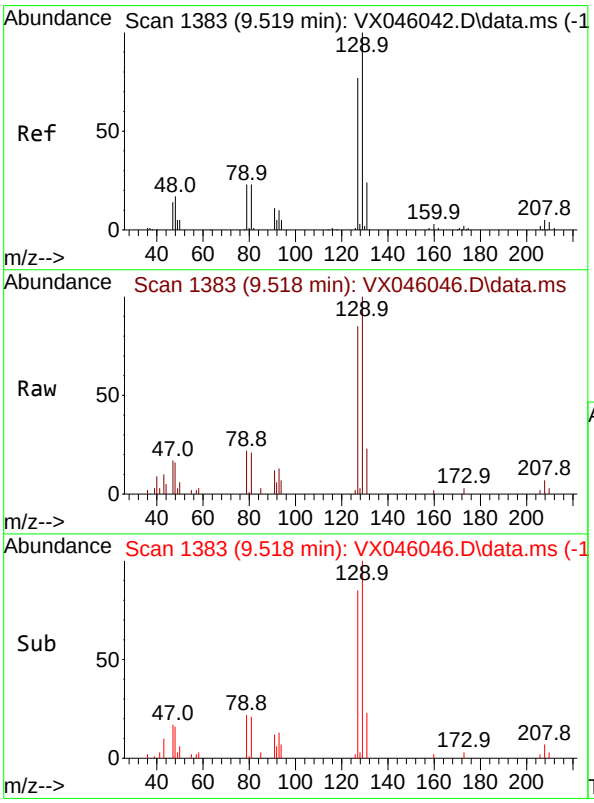
#59
2-Hexanone
Concen: 16.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 34853

Ion	Ratio	Lower	Upper
43	100		
58	47.5	24.9	74.6

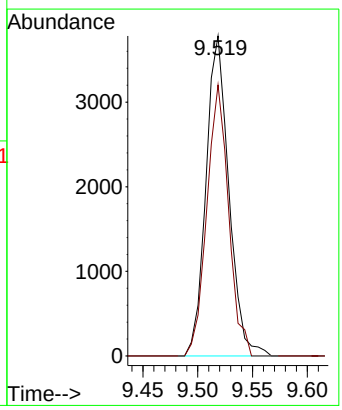


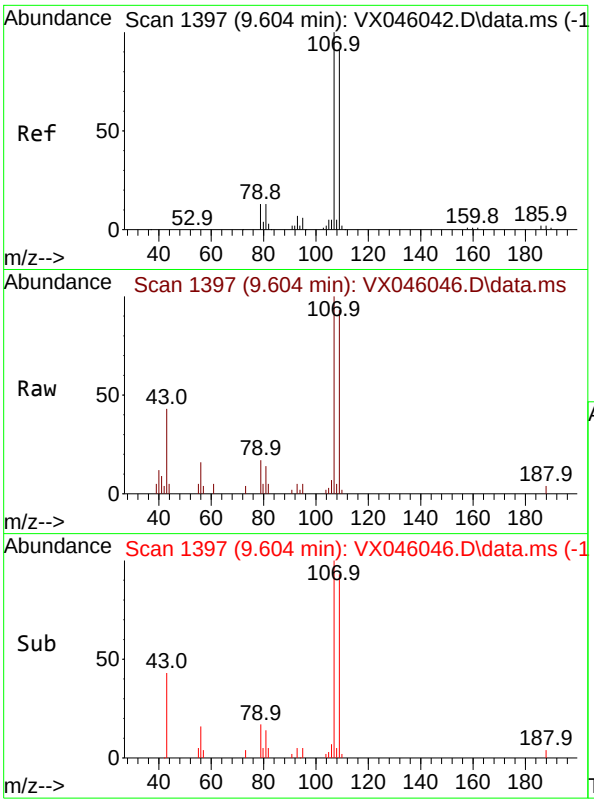


#60
Dibromochloromethane
Concen: 3.102 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:129 Resp: 5500

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.3	117.8



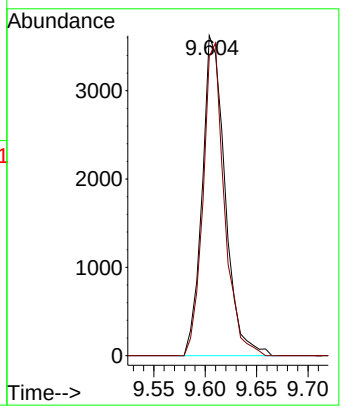


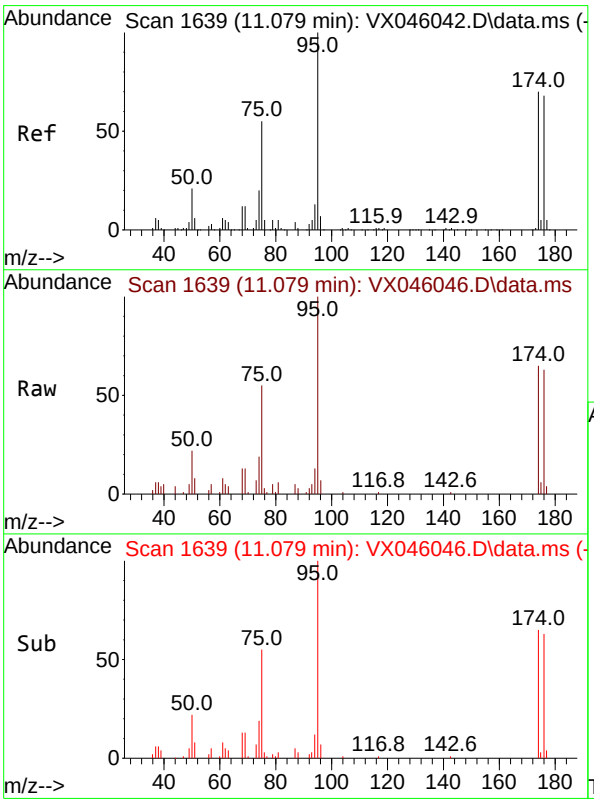
#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 5614

Ion	Ratio	Lower	Upper
107	100		
109	91.0	73.3	109.9

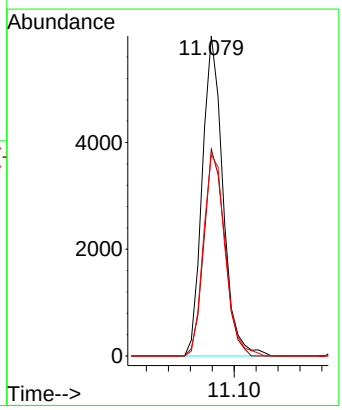


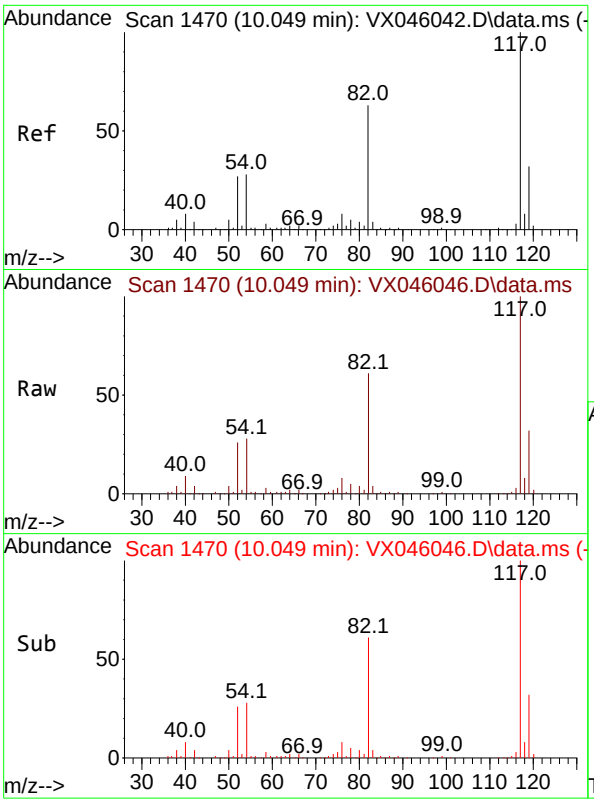


#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



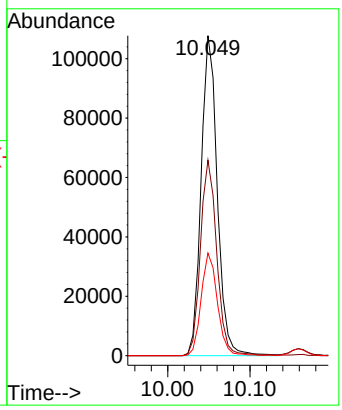


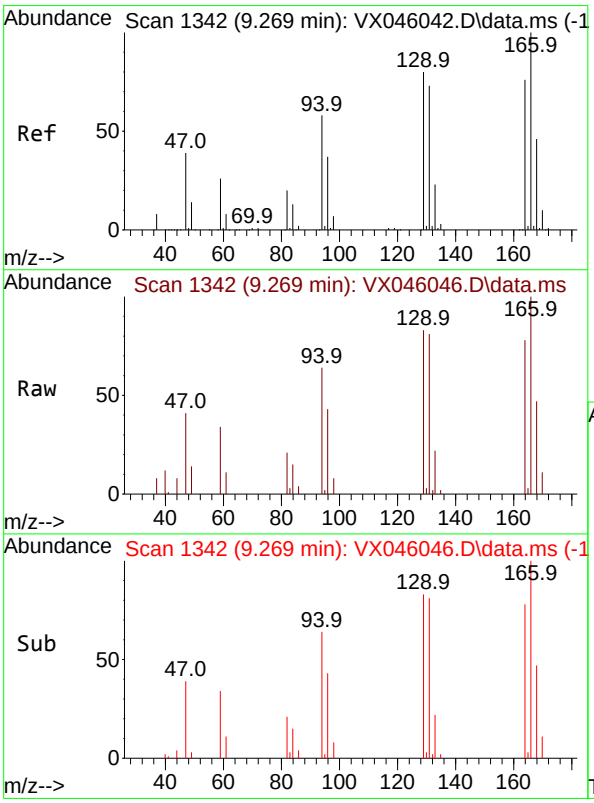
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

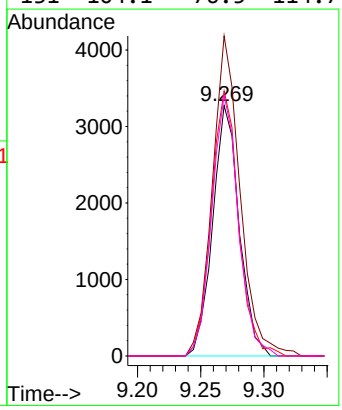


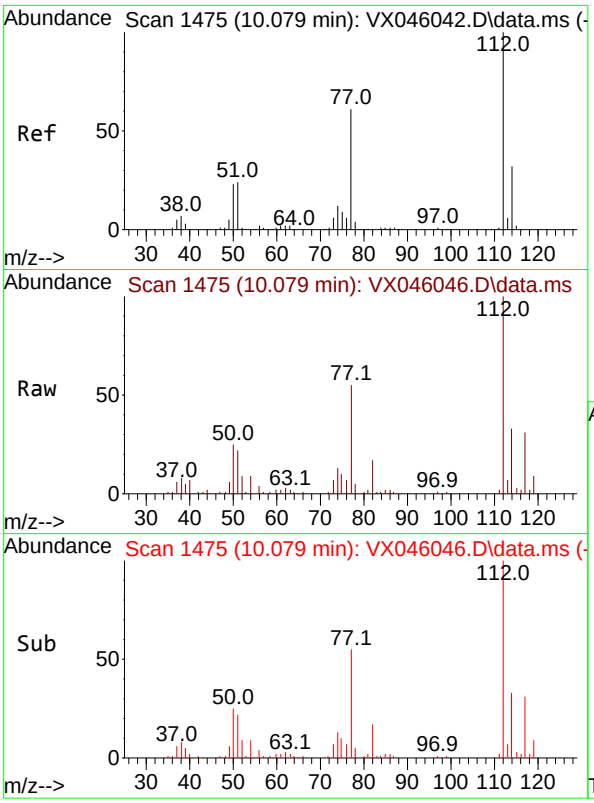


#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



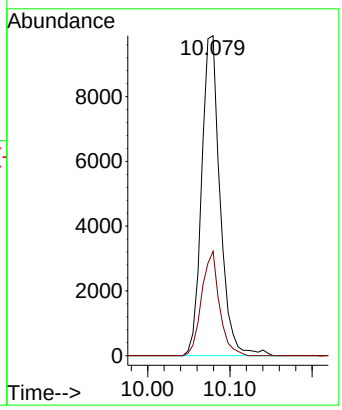


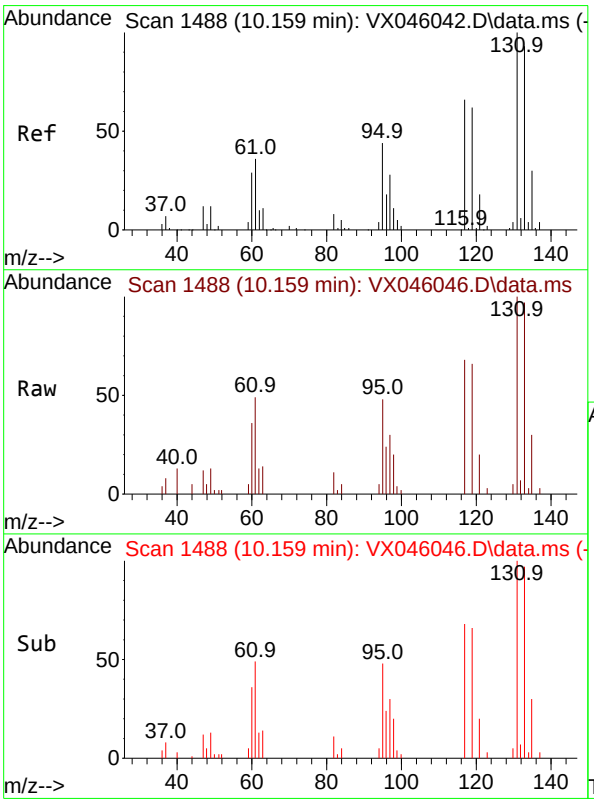
#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 15391

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.2

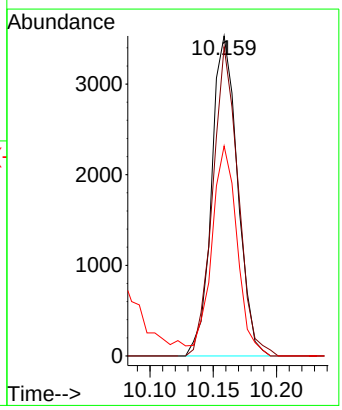


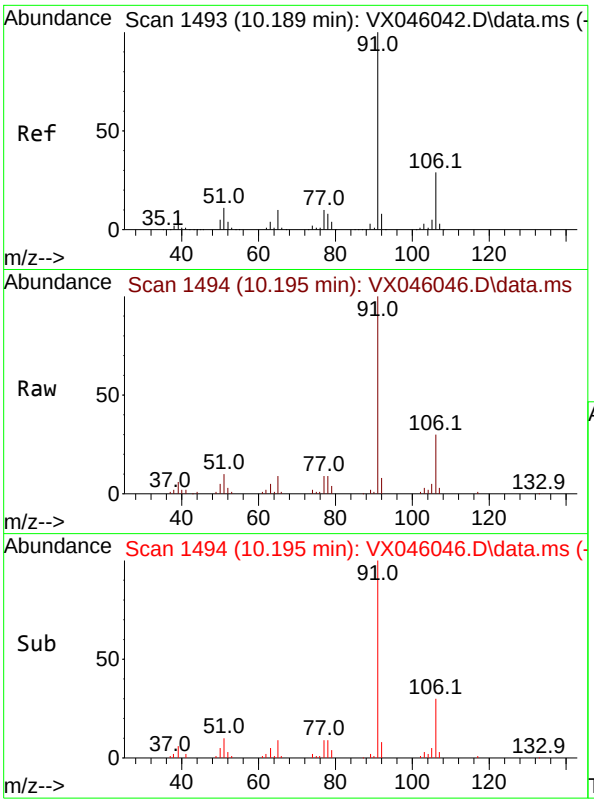


#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



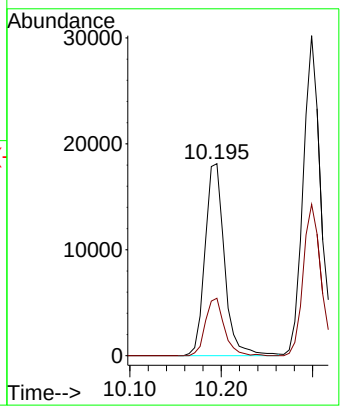


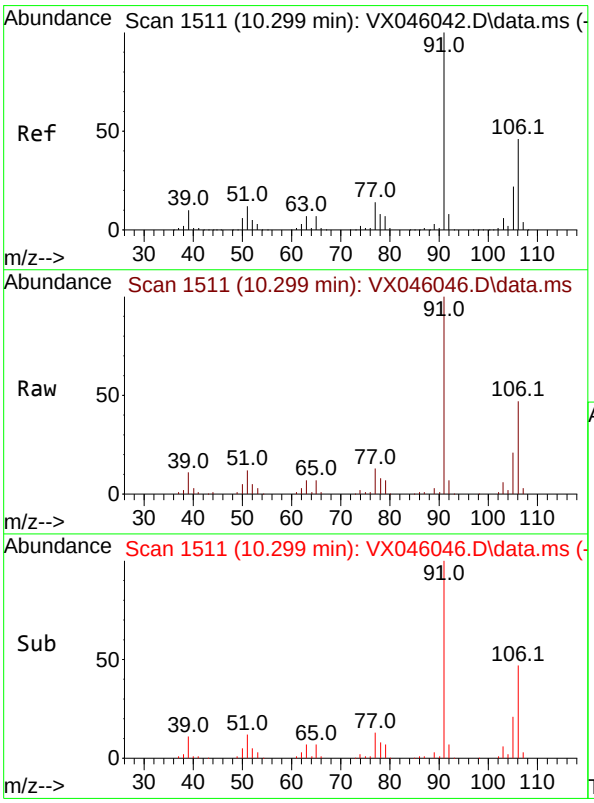
#67
Ethyl Benzene
Concen: 3.463 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 26732

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

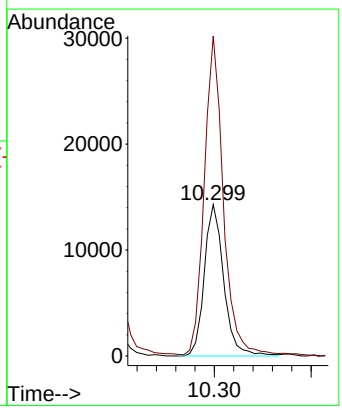


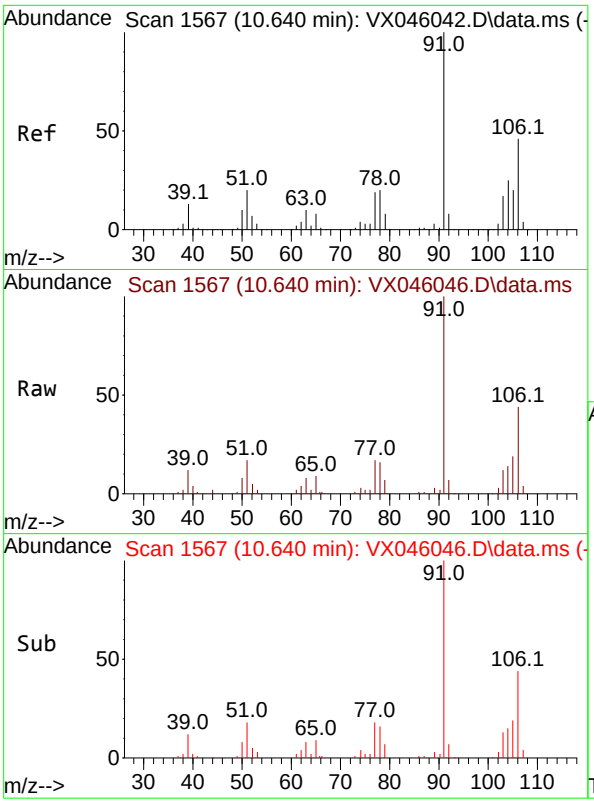


#68
m/p-Xylenes
Concen: 7.156 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 19957

Ion	Ratio	Lower	Upper
106	100		
91	210.1	171.2	256.8



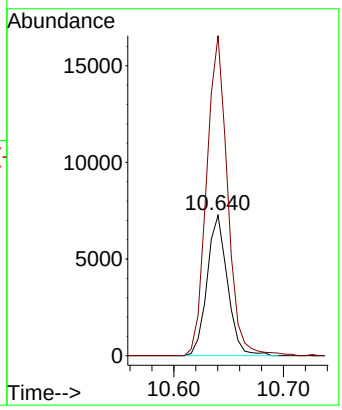


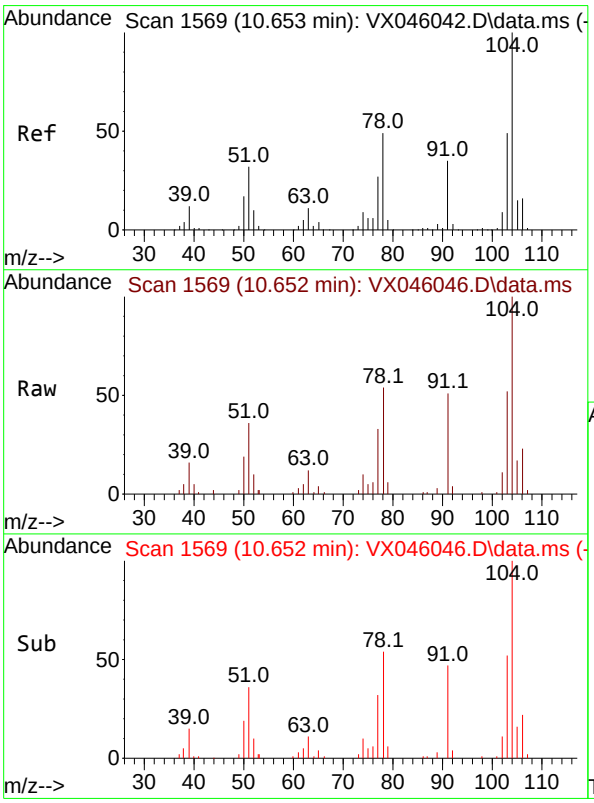
#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 9398

Ion	Ratio	Lower	Upper
106	100		
91	233.6	112.7	338.1

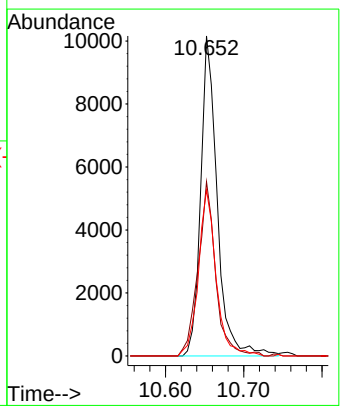


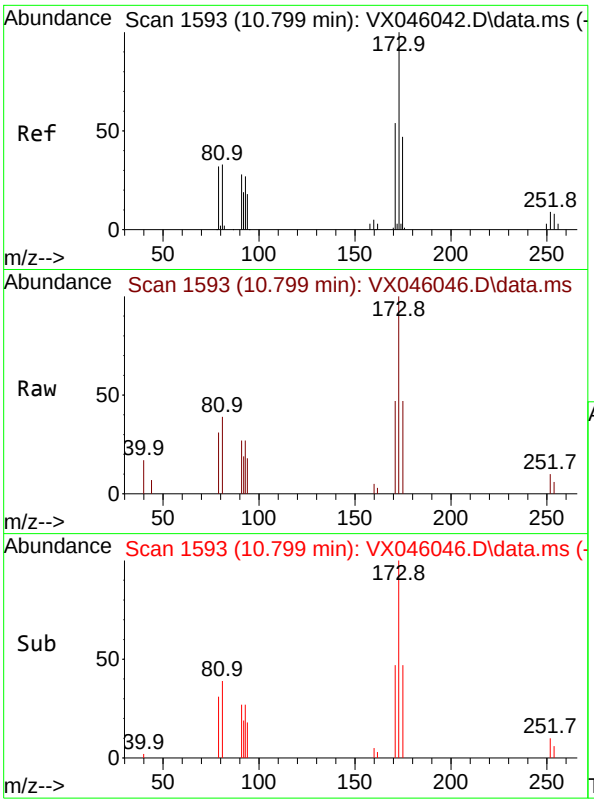


#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



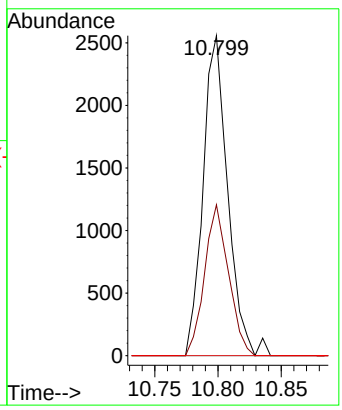


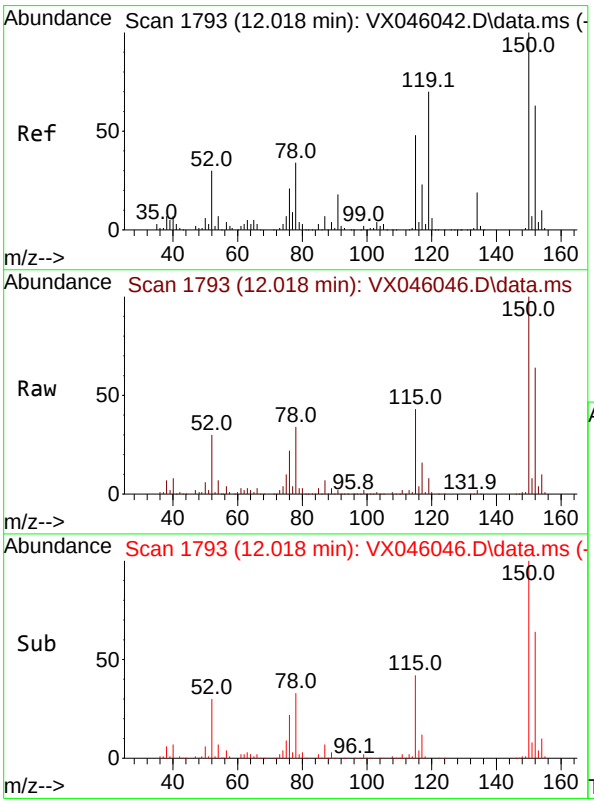
#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

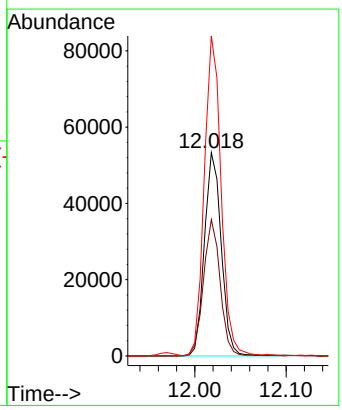


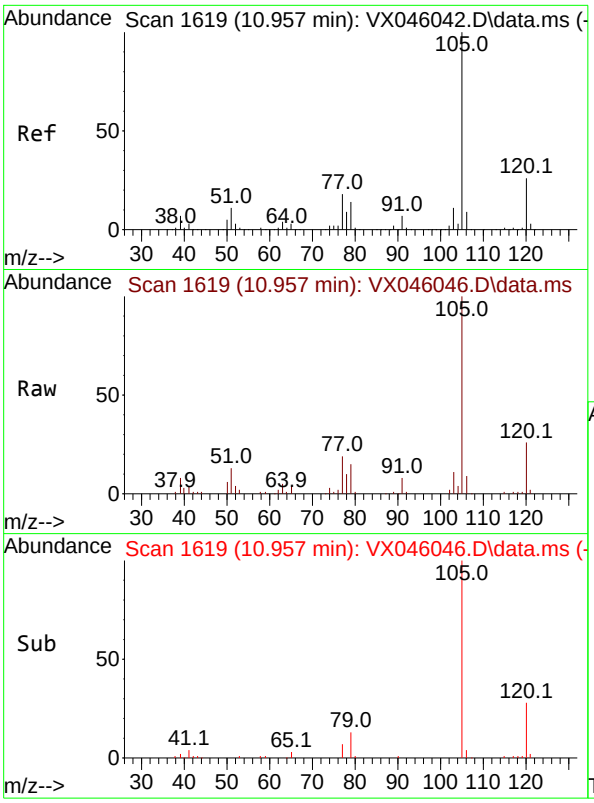


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



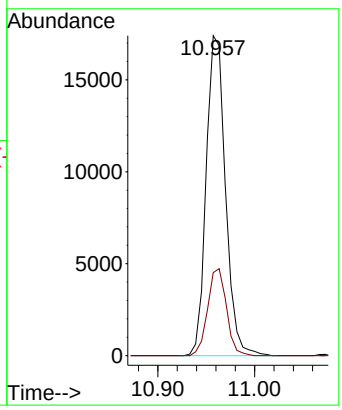


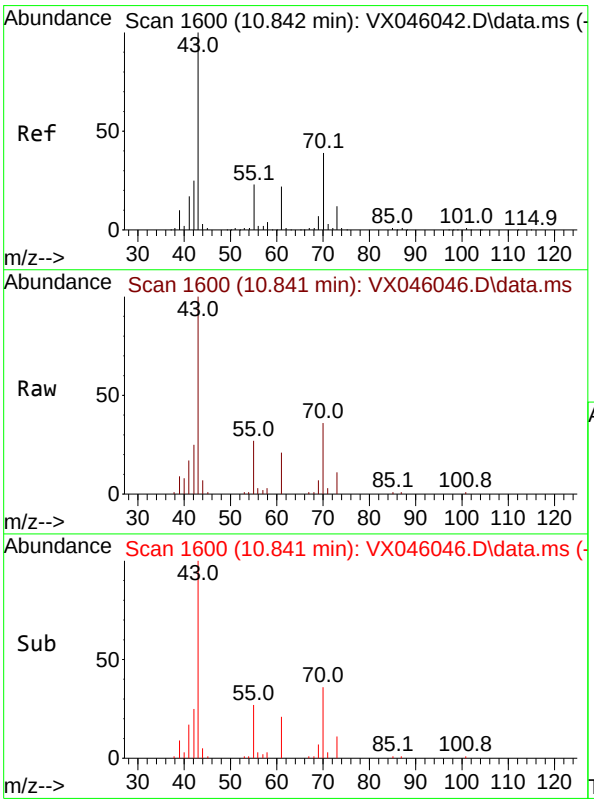
#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 24201

Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.8	38.4

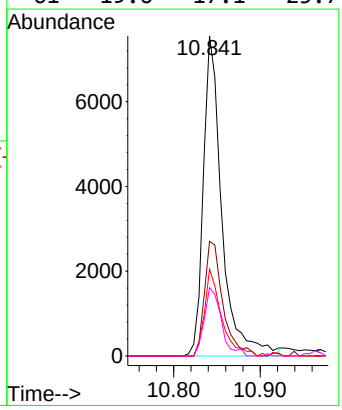


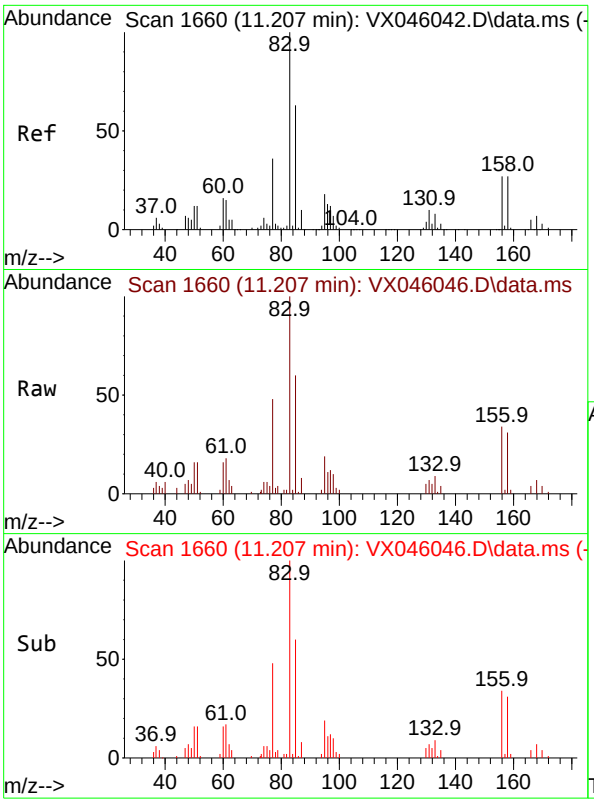


#74
N-amyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



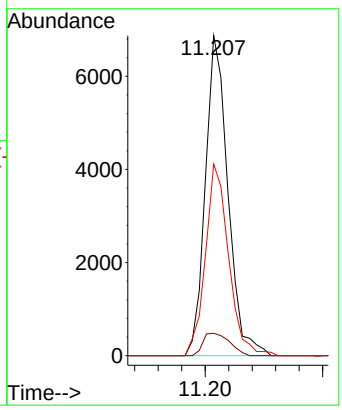


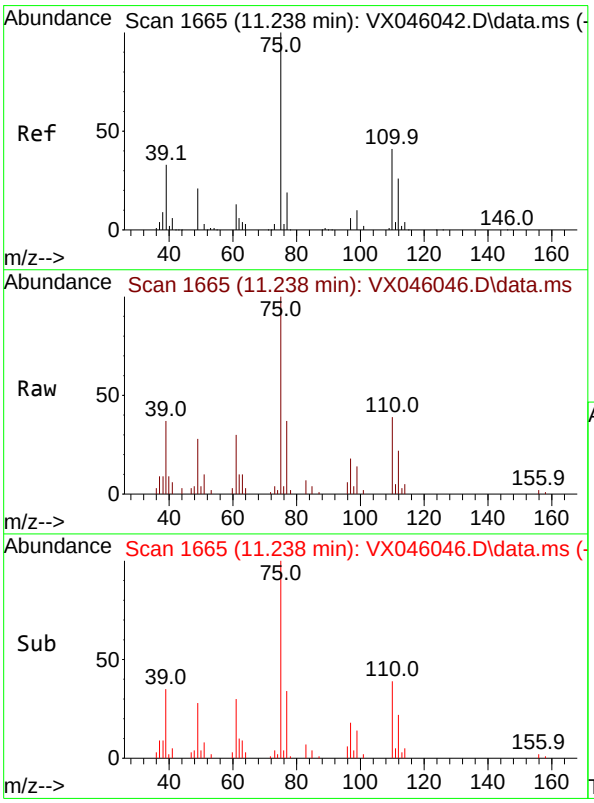
#75
1,1,2,2-Tetrachloroethane
Concen: 3.479 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

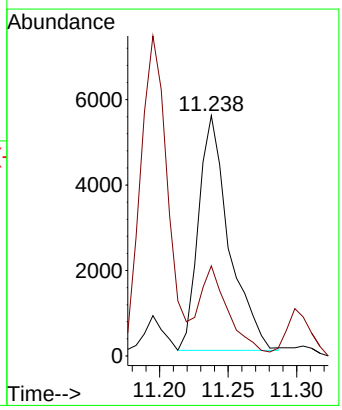


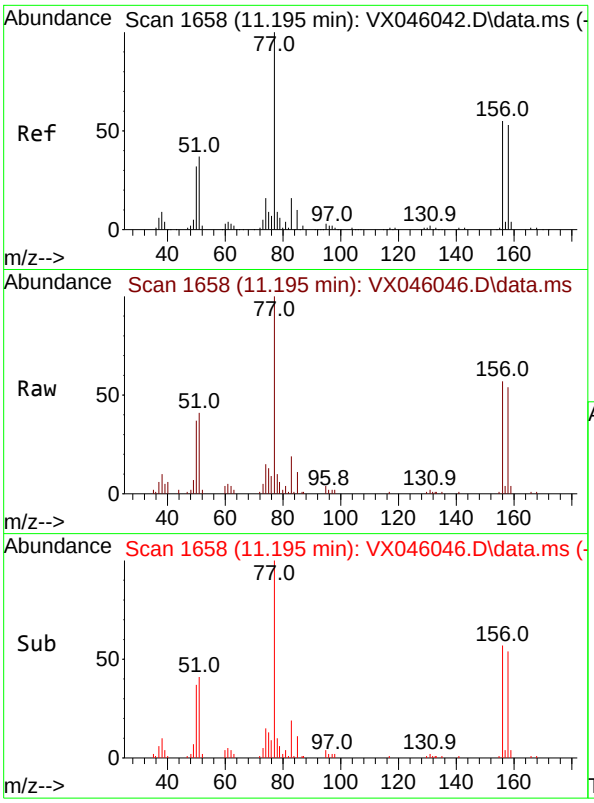


#76
1,2,3-Trichloropropane
Concen: 3.018 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 8548

Ion	Ratio	Lower	Upper
75	100		
77	37.7	20.5	61.5



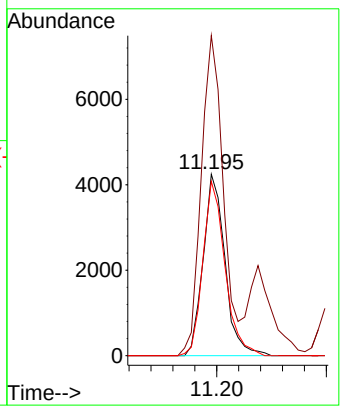


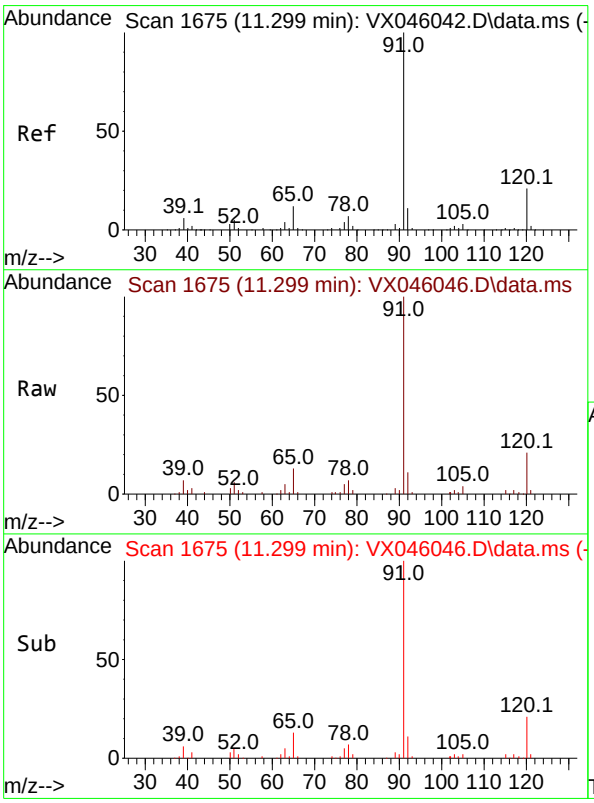
#77
Bromobenzene
Concen: 3.417 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

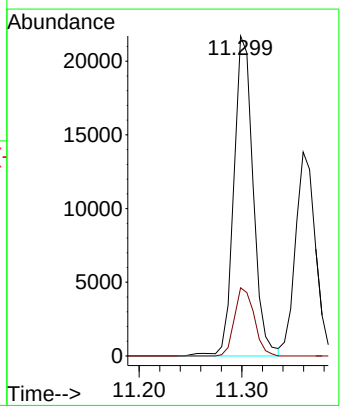


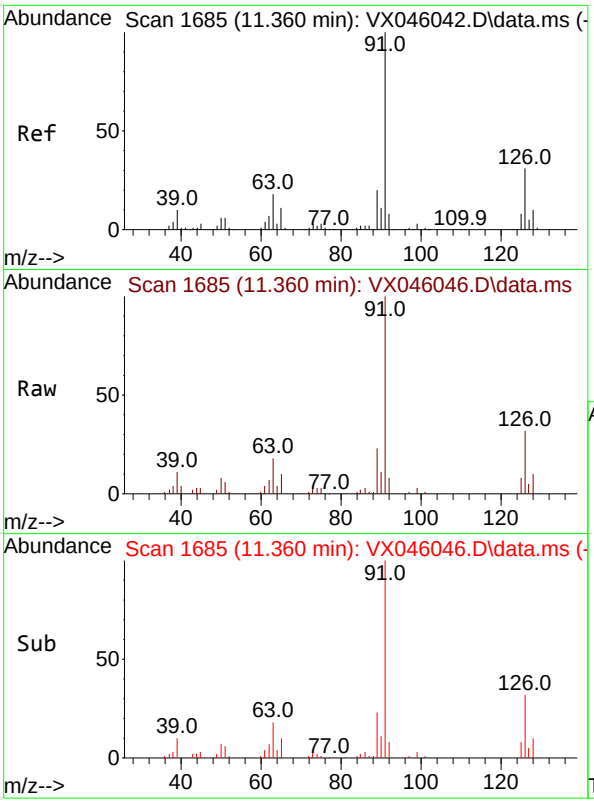


#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



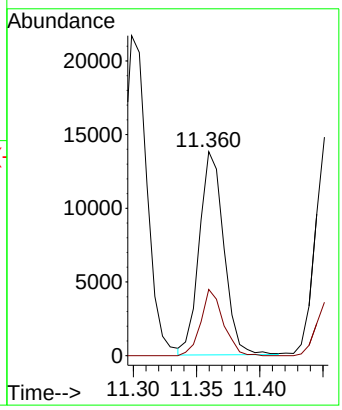


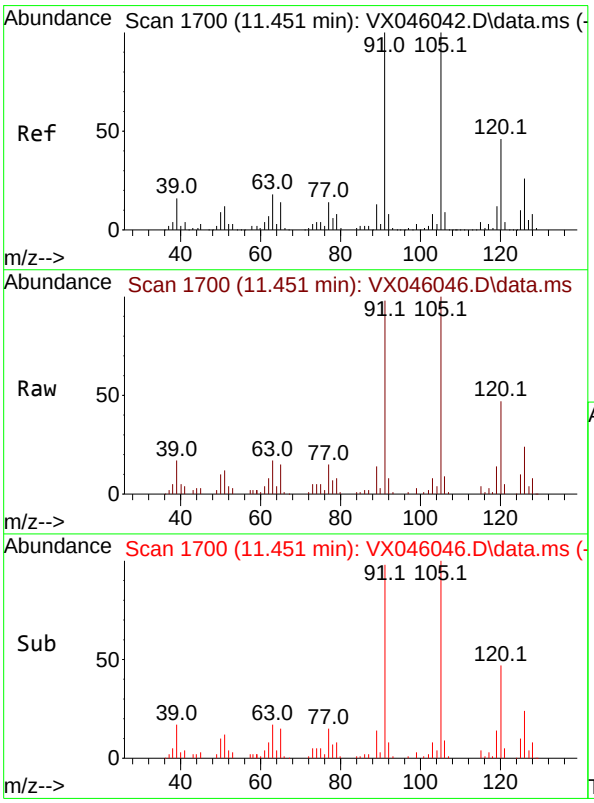
#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 18672

Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.6	46.7

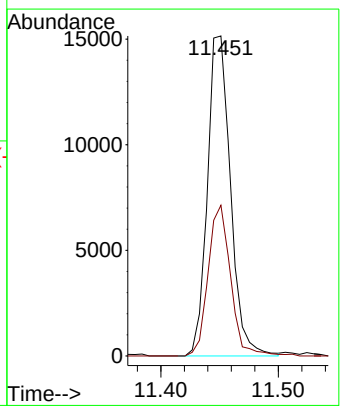


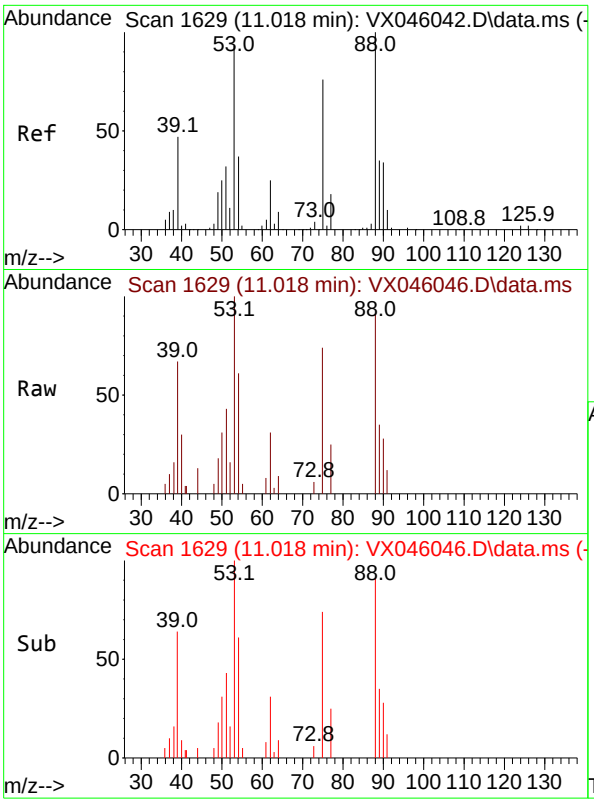


#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20742

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2



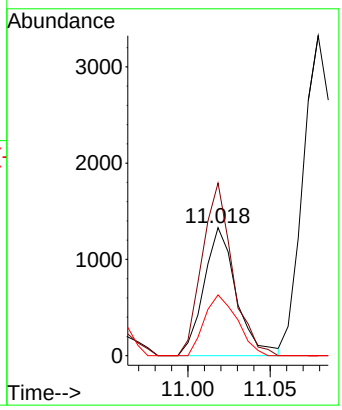


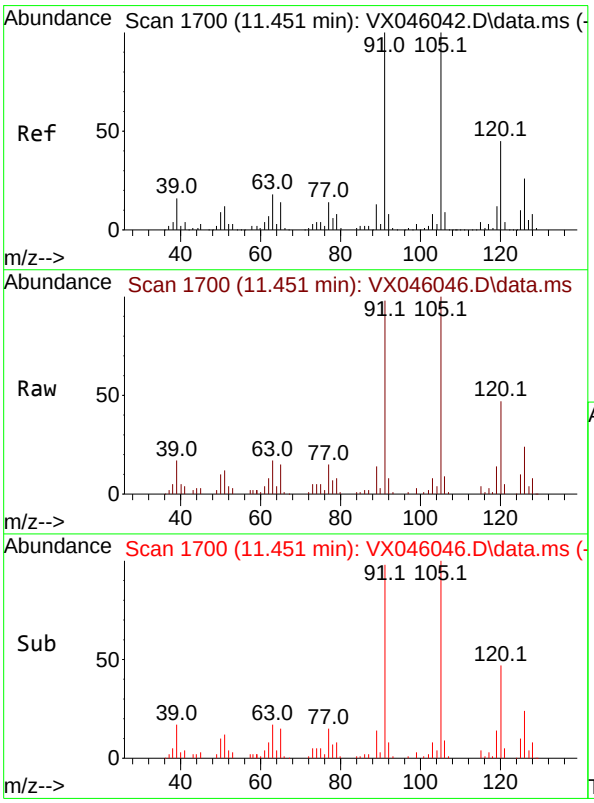
#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

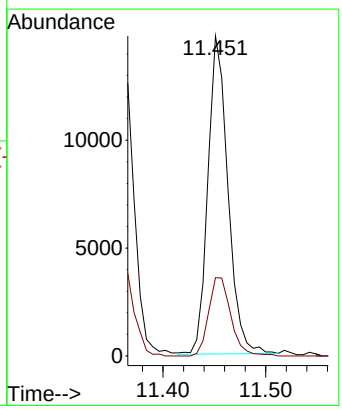


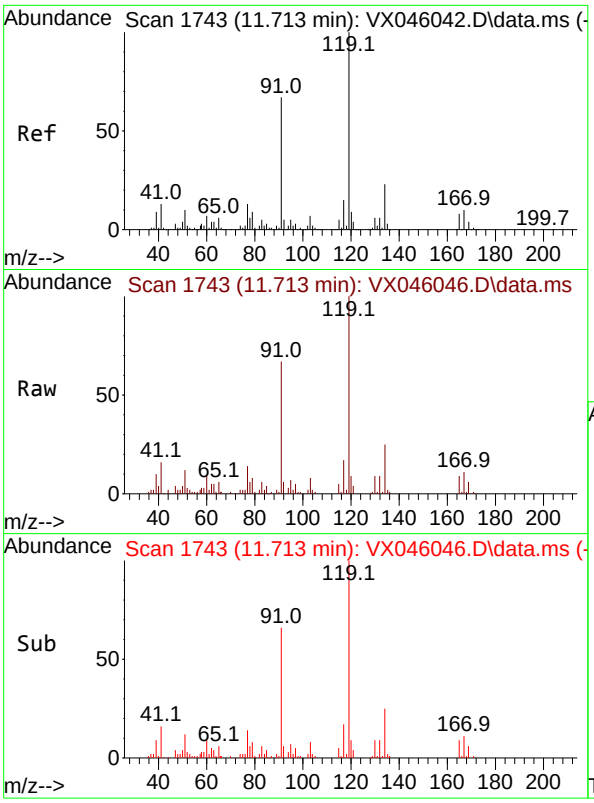


#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 19966

Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.3	39.8



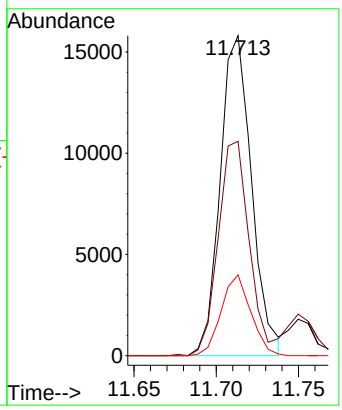


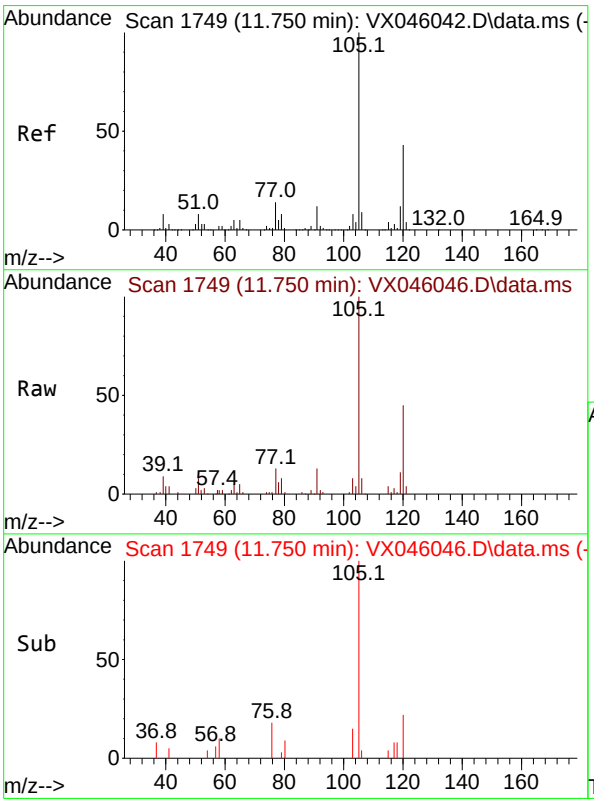
#83
tert-Butylbenzene
Concen: 3.484 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

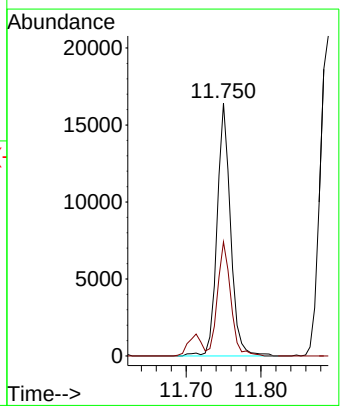


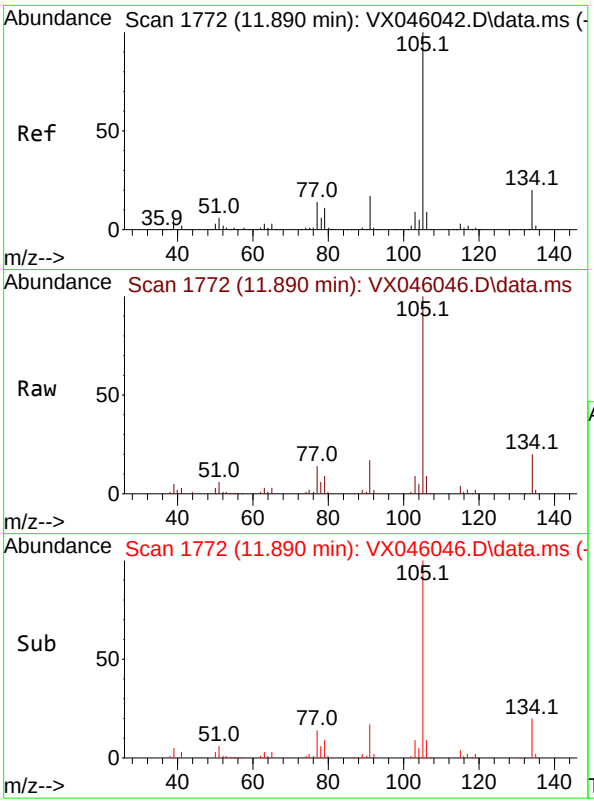


#84
1,2,4-Trimethylbenzene
Concen: 3.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20613

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.2	63.6



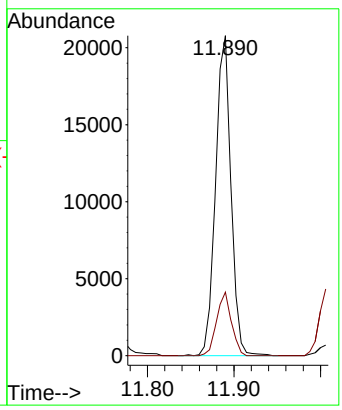


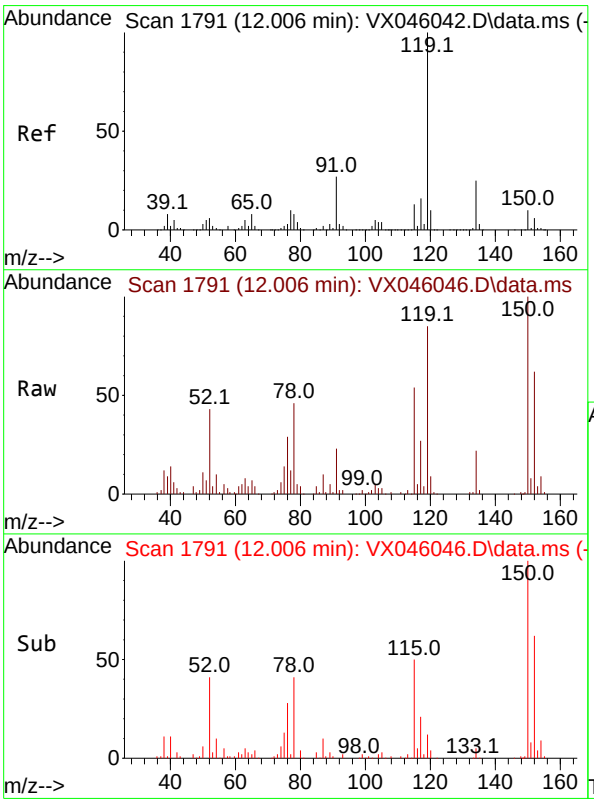
#85
sec-Butylbenzene
Concen: 3.412 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 25590

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

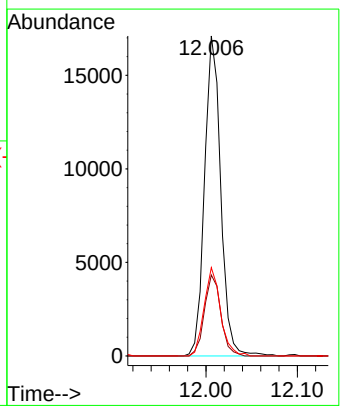


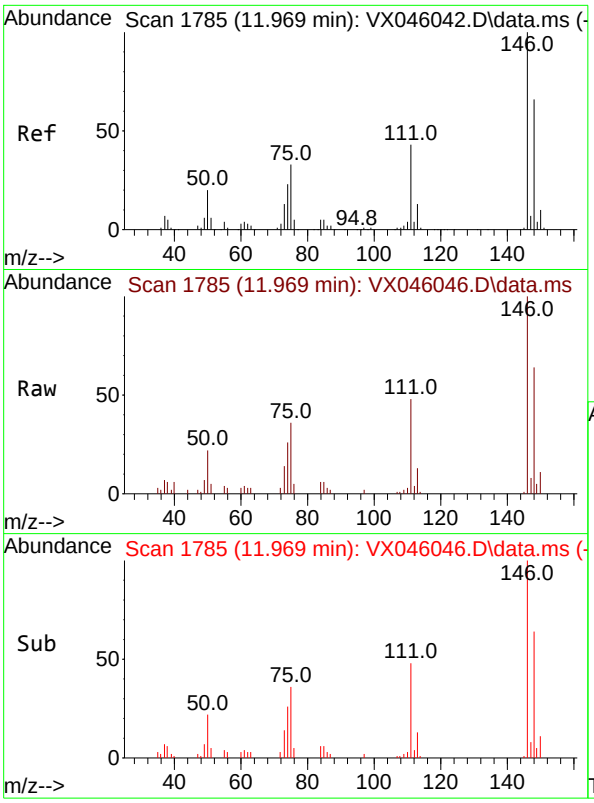


#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



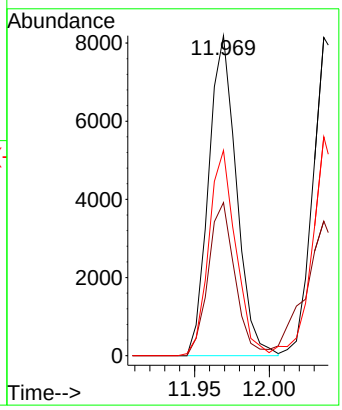


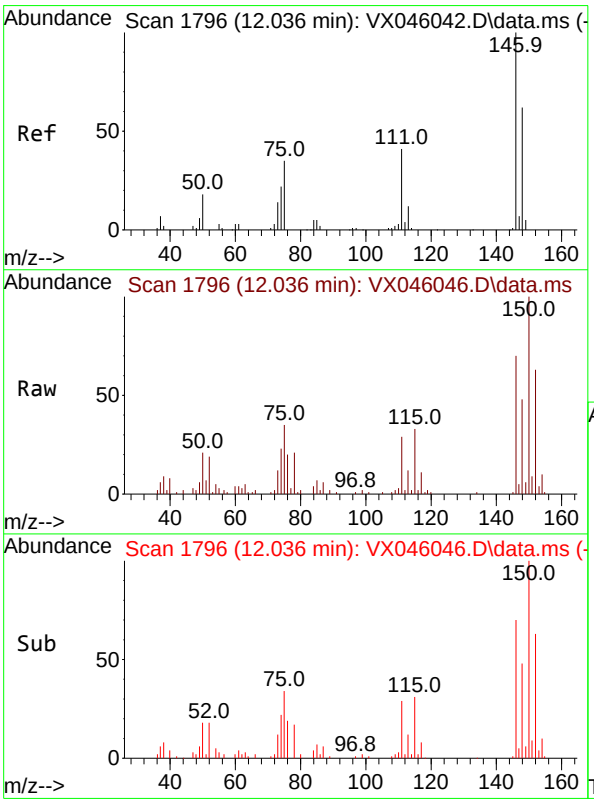
#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

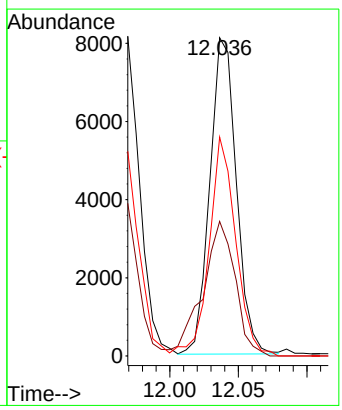


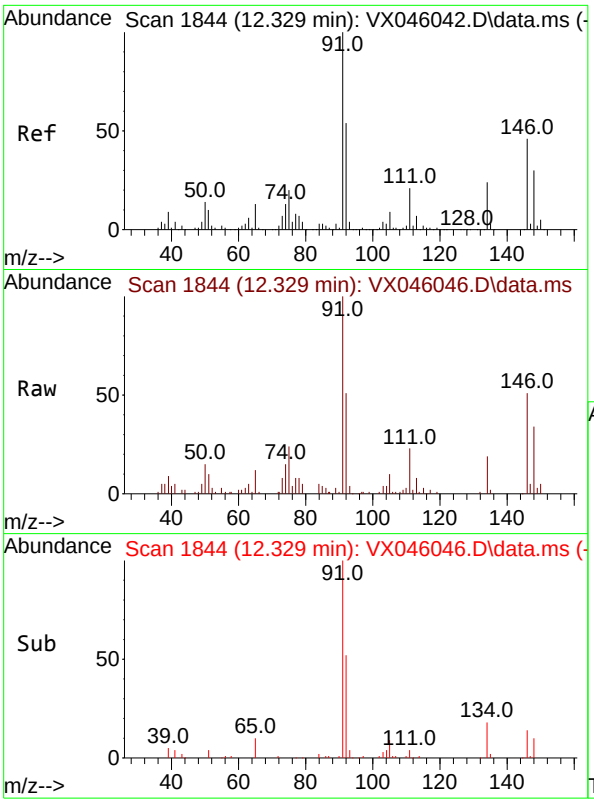


#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



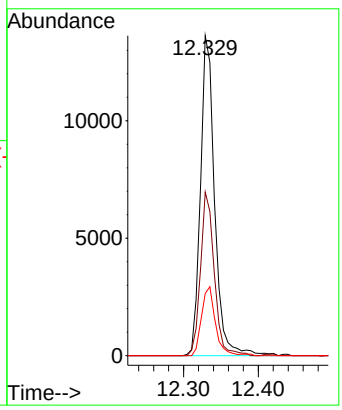


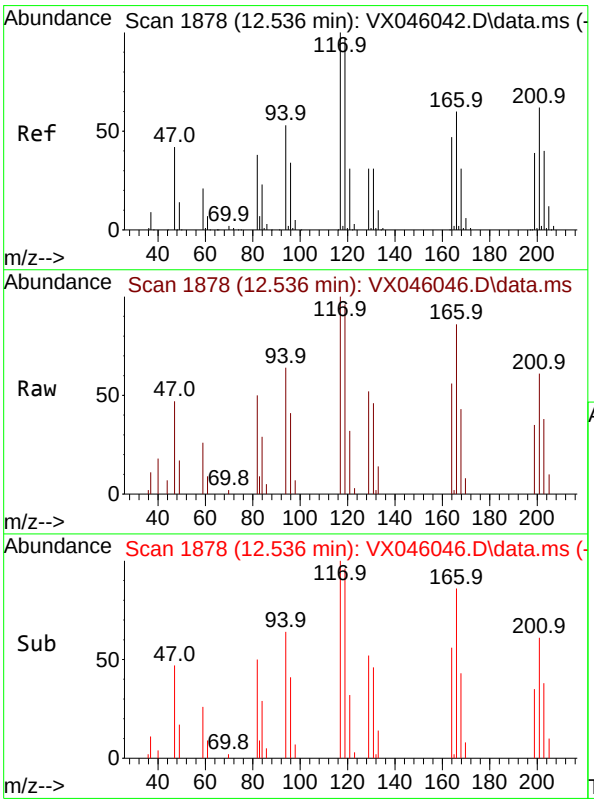
#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

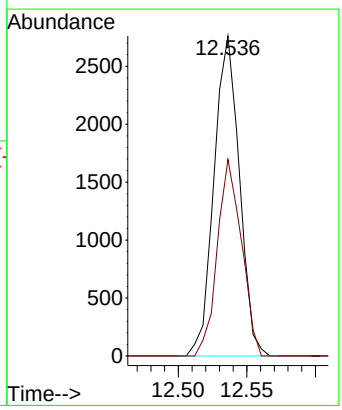


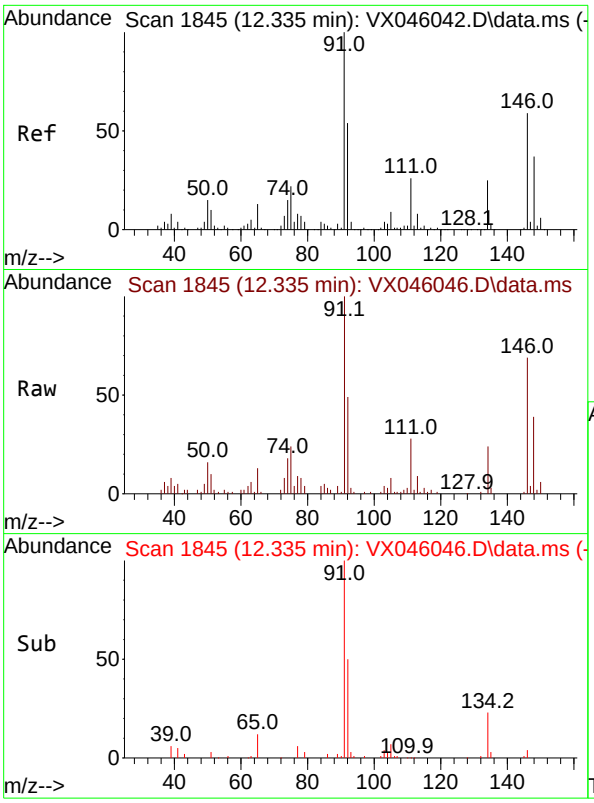


#90
Hexachloroethane
Concen: 3.153 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 3553

Ion	Ratio	Lower	Upper
117	100		
201	58.5	31.6	94.7



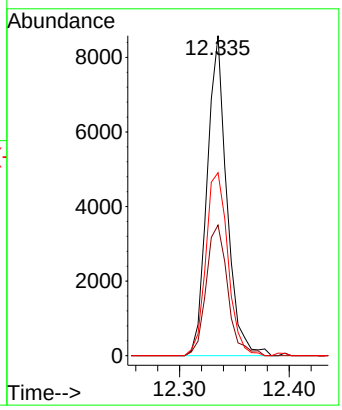


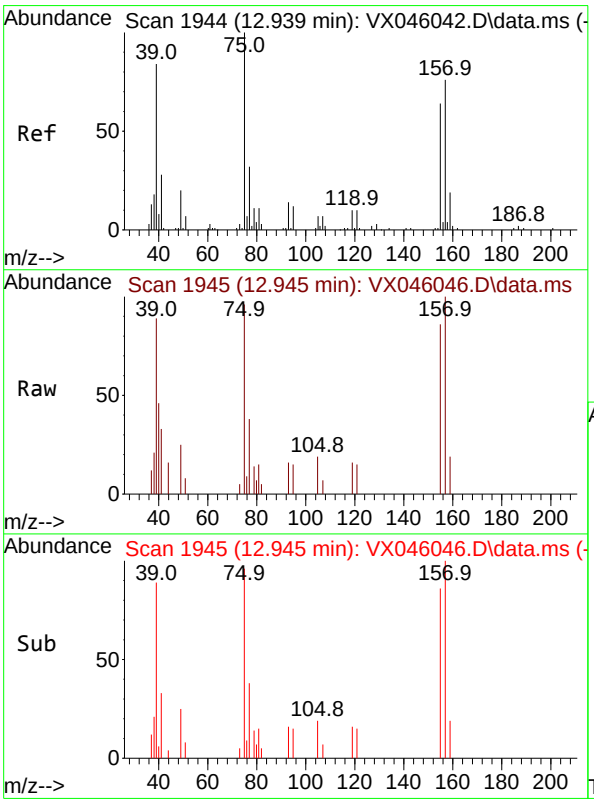
#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

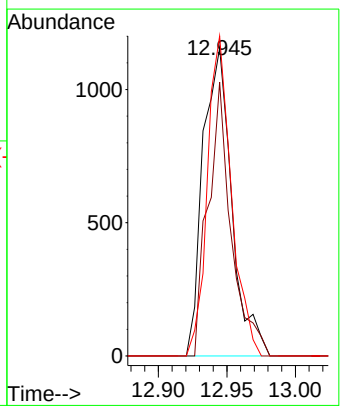


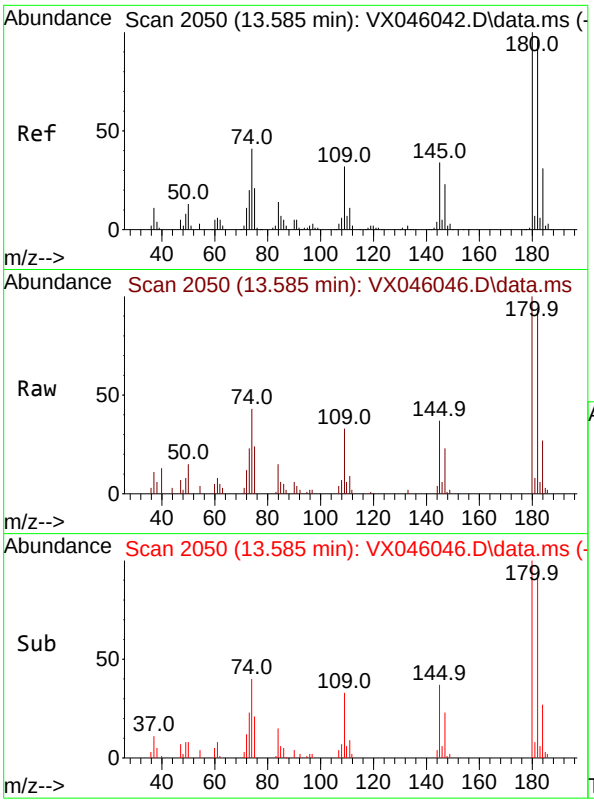


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



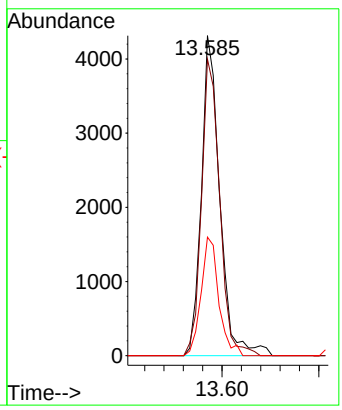


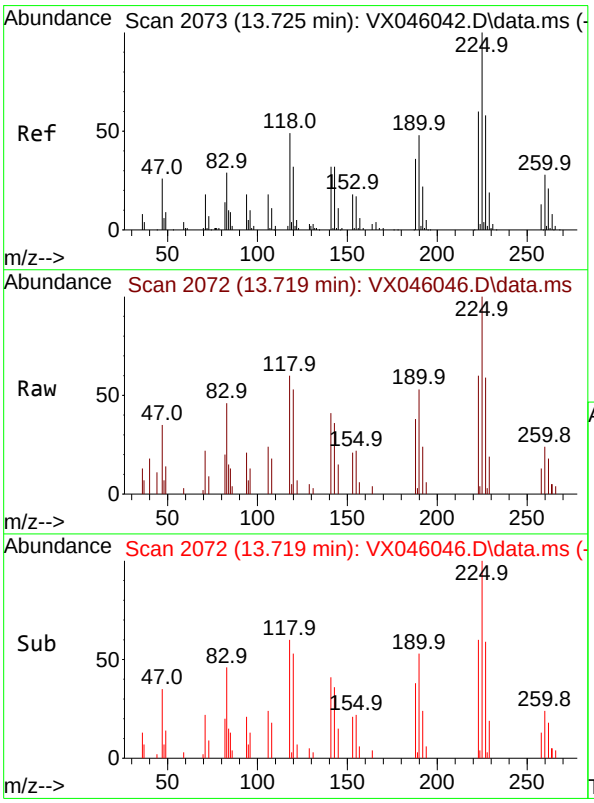
#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

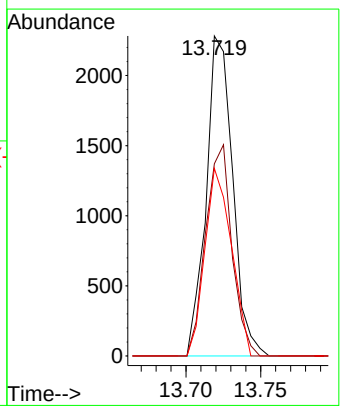


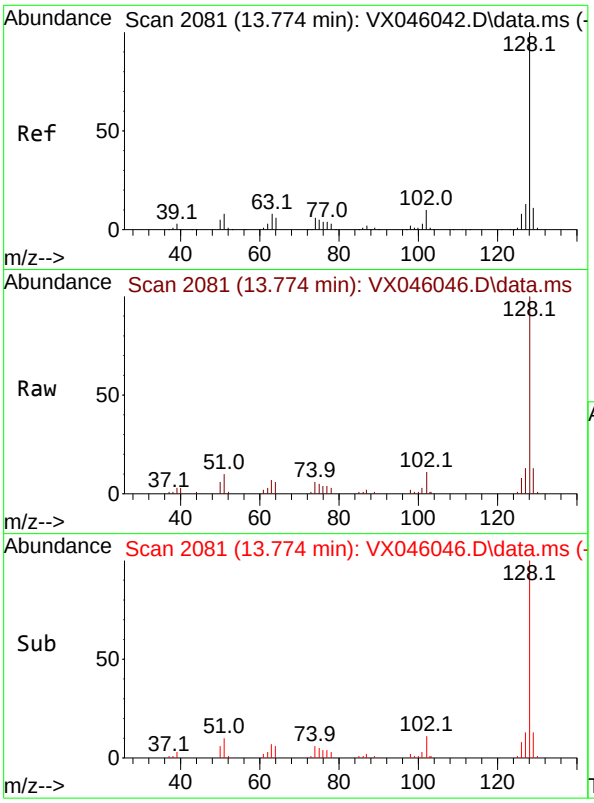


#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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



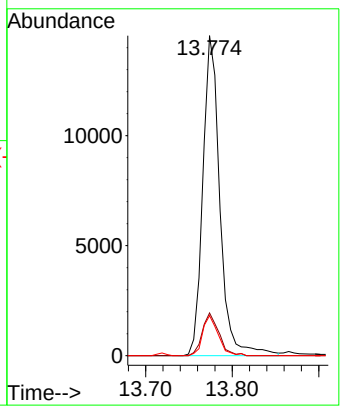


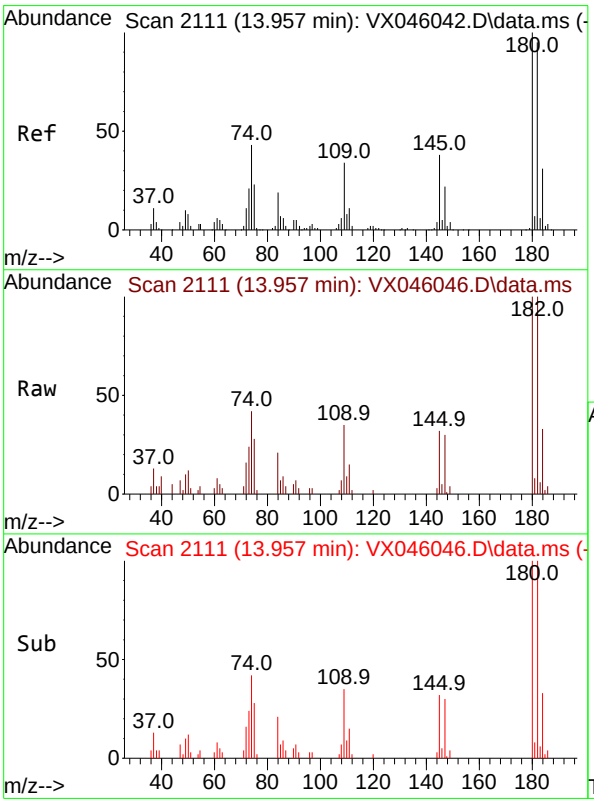
#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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

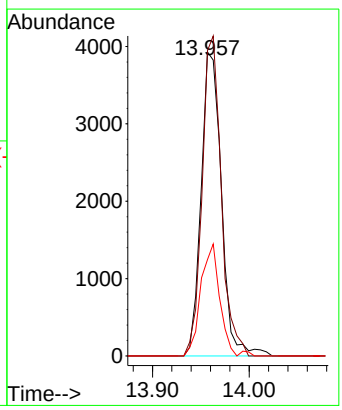




#96
1,2,3-Trichlorobenzene
Concen: 3.217 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

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)

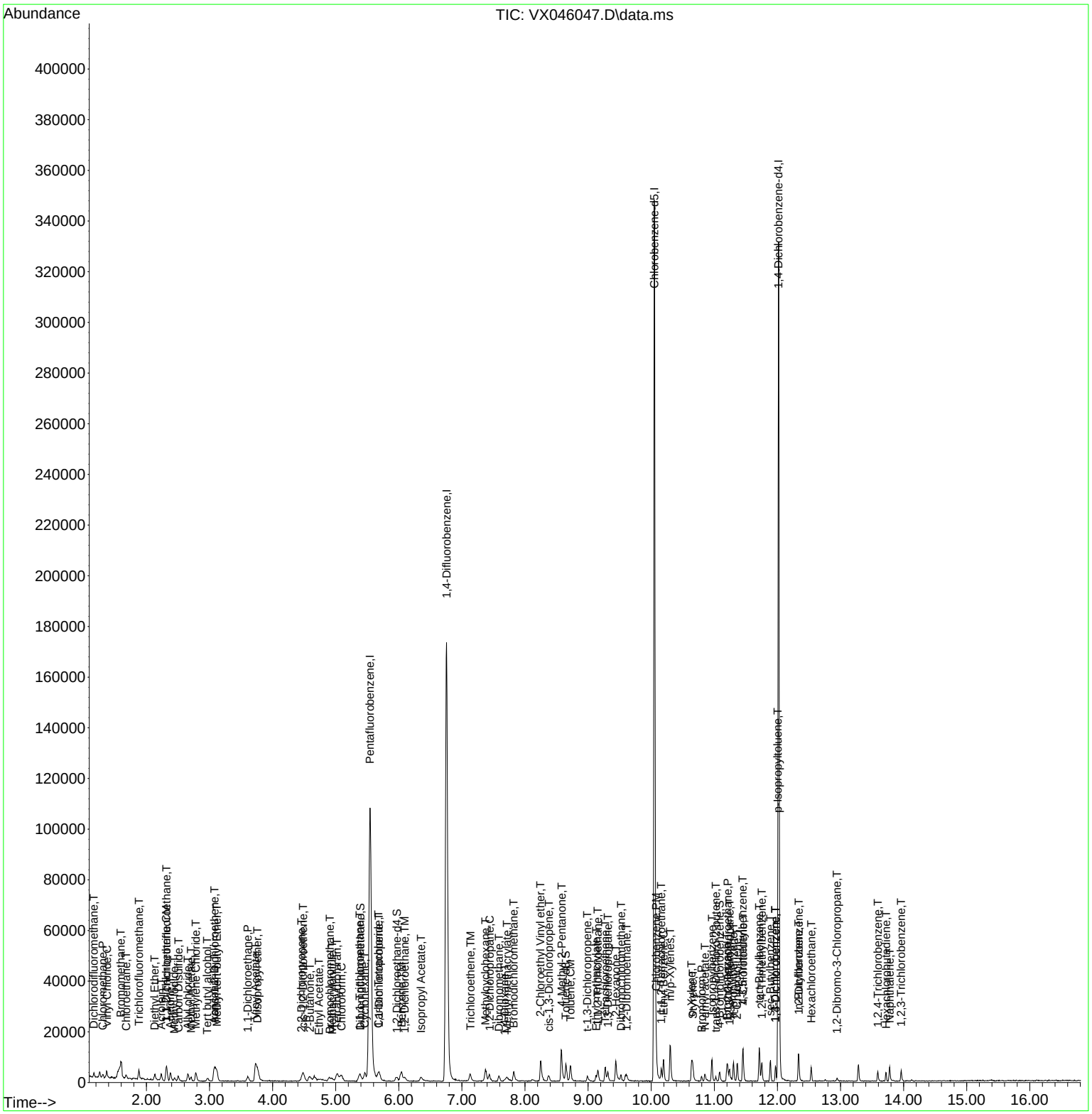
(#) = qualifier out of range (m) = manual integration (+) = signals summed

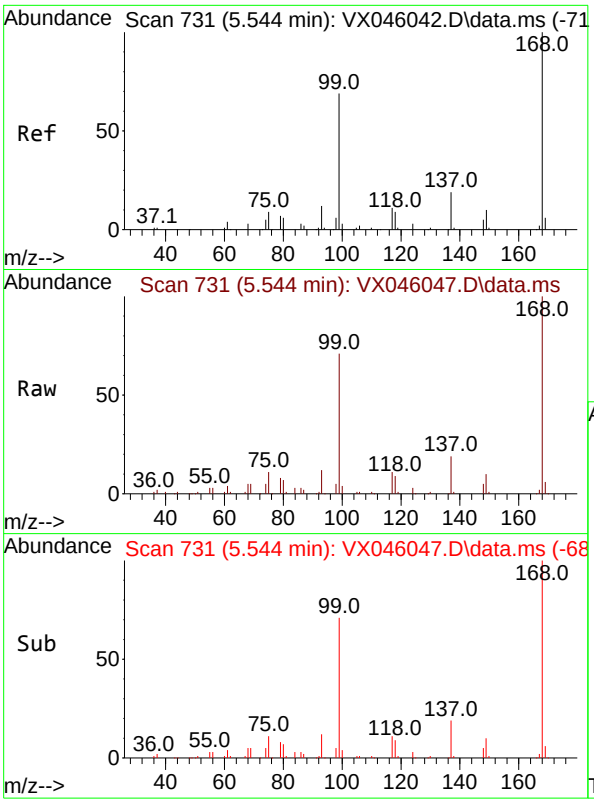
Quantitation Report (Not Reviewed)

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



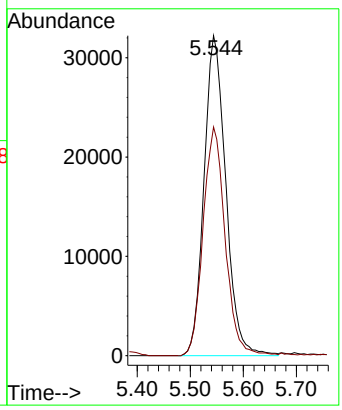


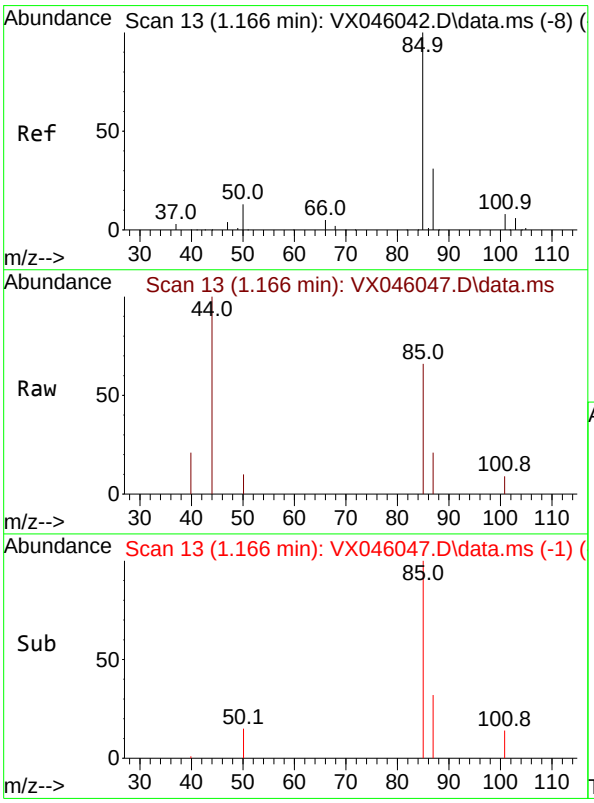
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 92040

Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3

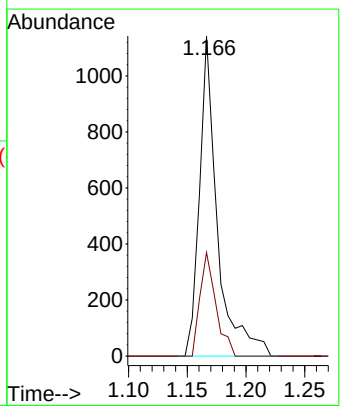


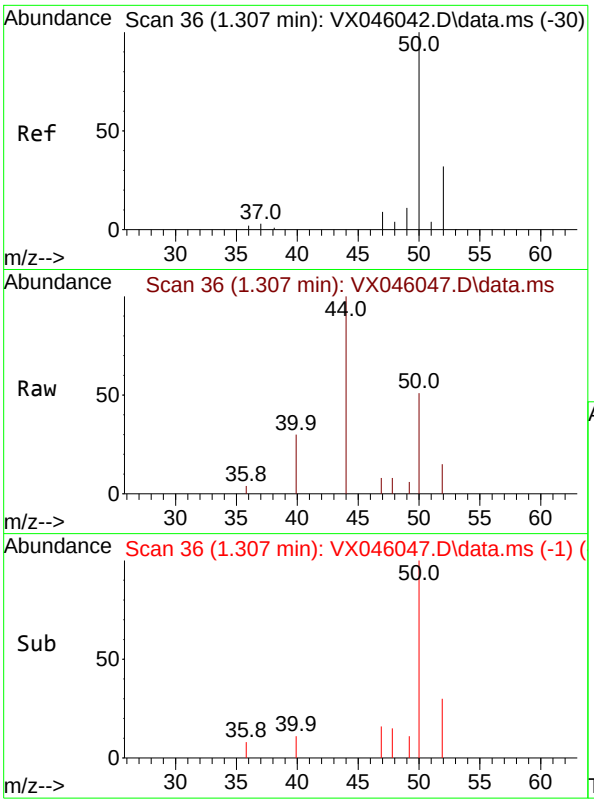


#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.1



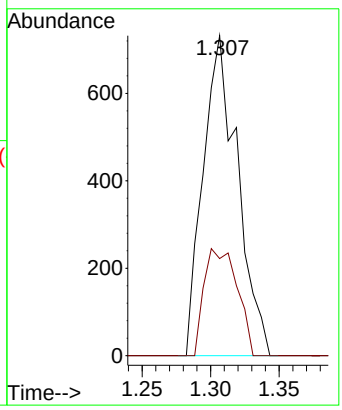


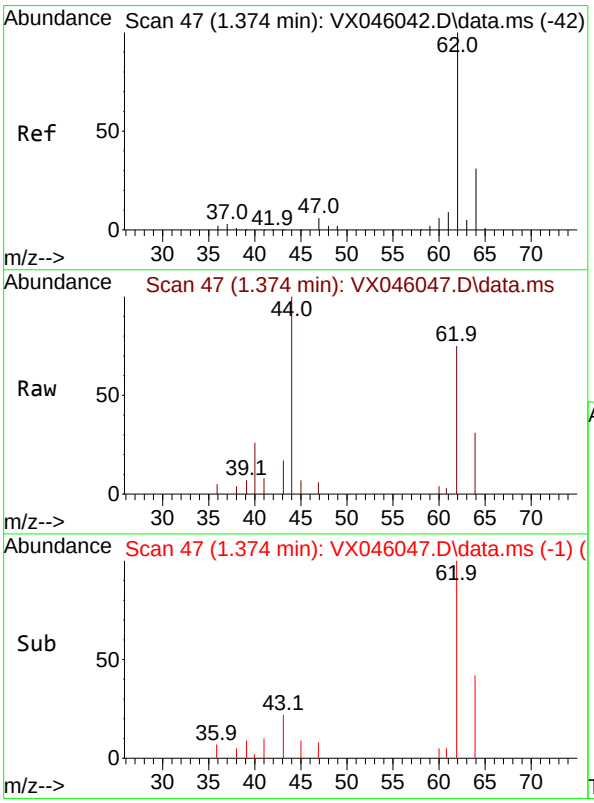
#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1278

Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.4	38.2

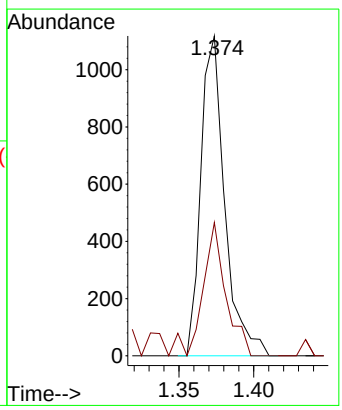


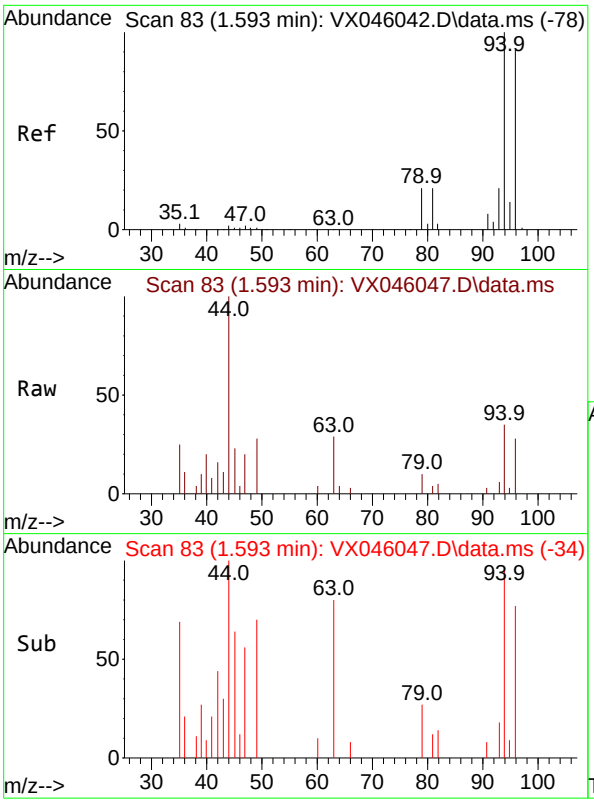


#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239

Ion	Ratio	Lower	Upper
62	100		
64	41.7	25.2	37.8#



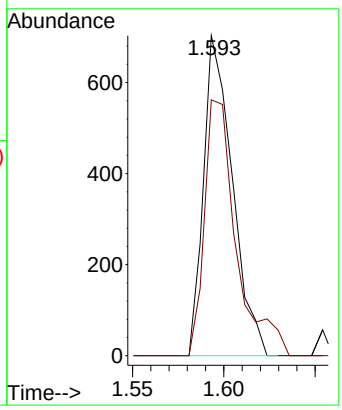


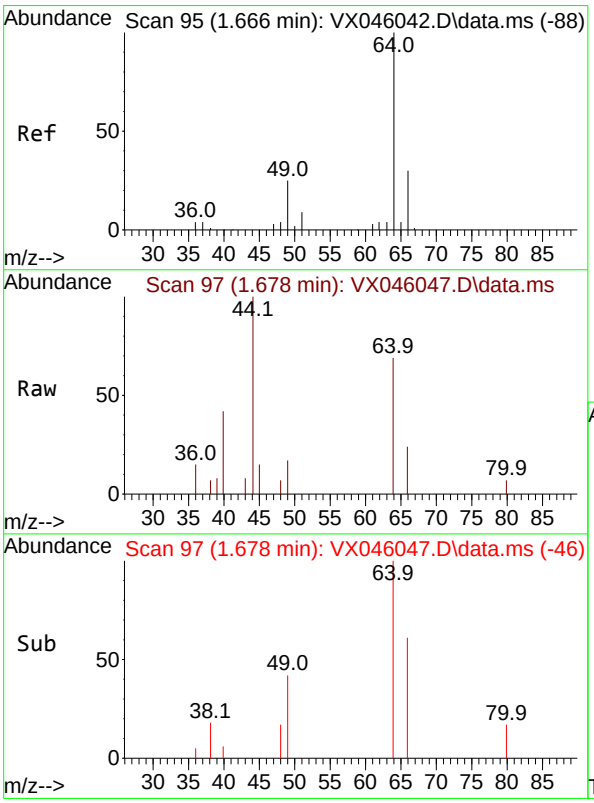
#5
Bromomethane
Concen: 0.866 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 770

Ion	Ratio	Lower	Upper
94	100		
96	79.9	72.8	109.2

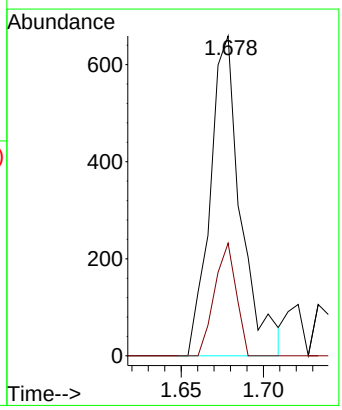


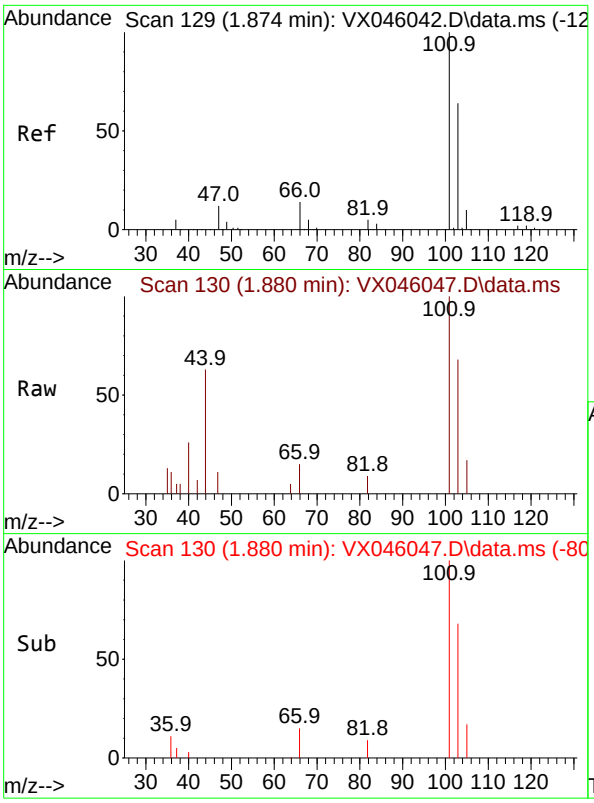


#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 64 Resp: 859

Ion	Ratio	Lower	Upper
64	100		
66	35.2	24.3	36.5



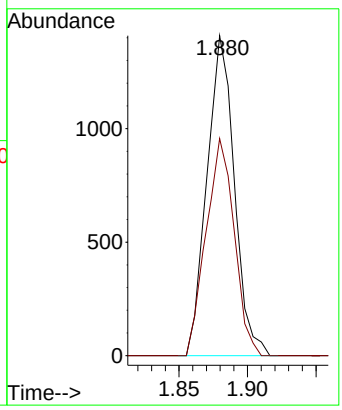


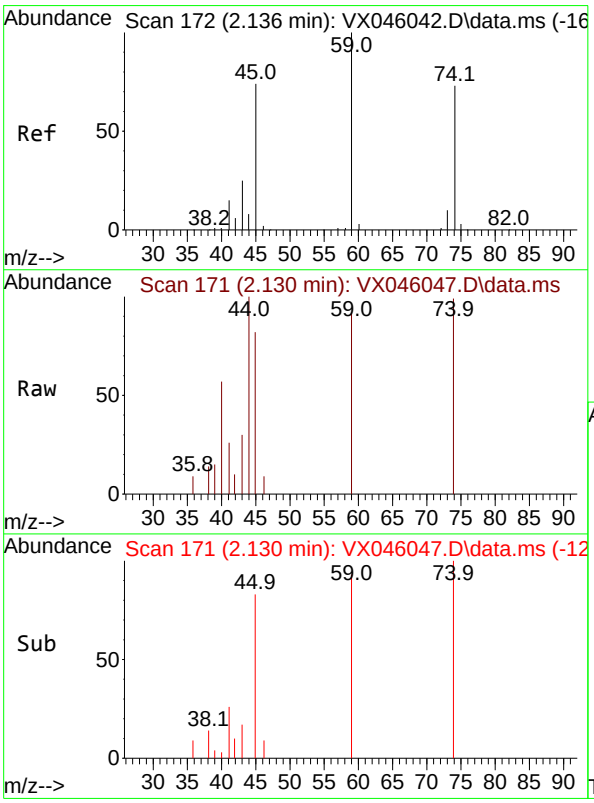
#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1959

Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.0	76.4

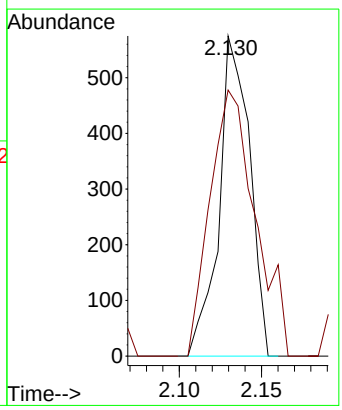


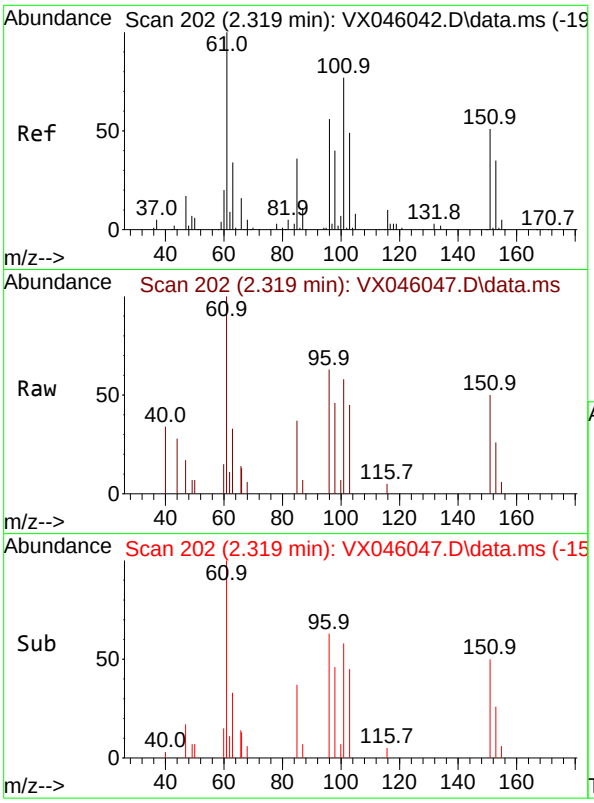


#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 74 Resp: 742

Ion	Ratio	Lower	Upper
74	100		
45	123.6	54.9	164.8



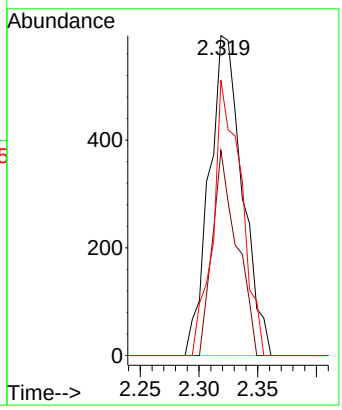


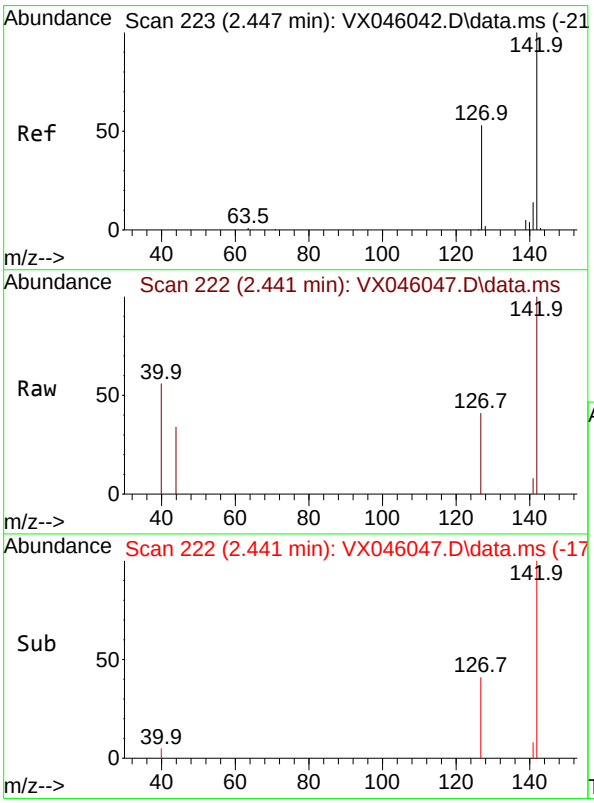
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

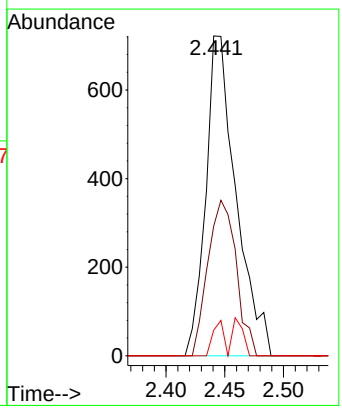


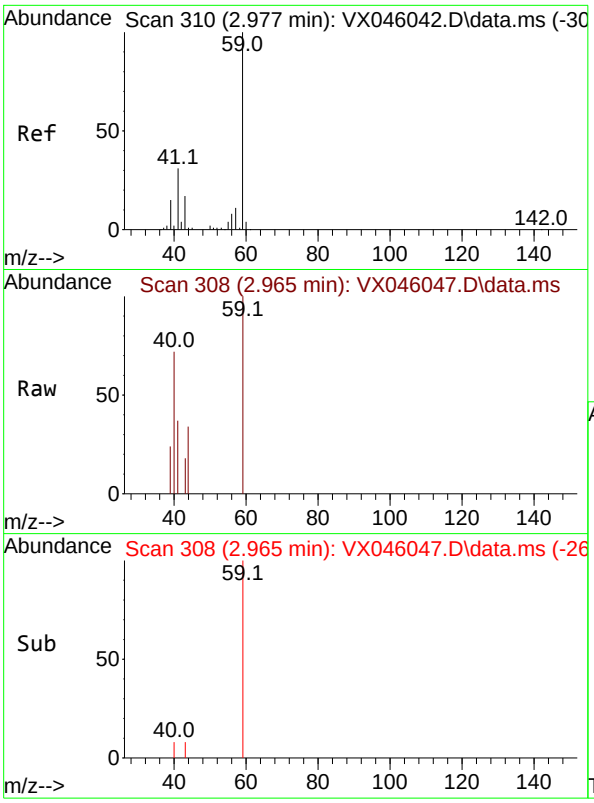


#10
Methyl Iodide
Concen: 0.692 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



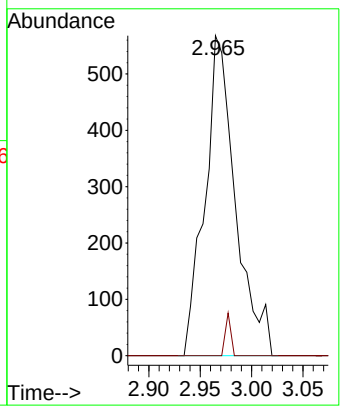


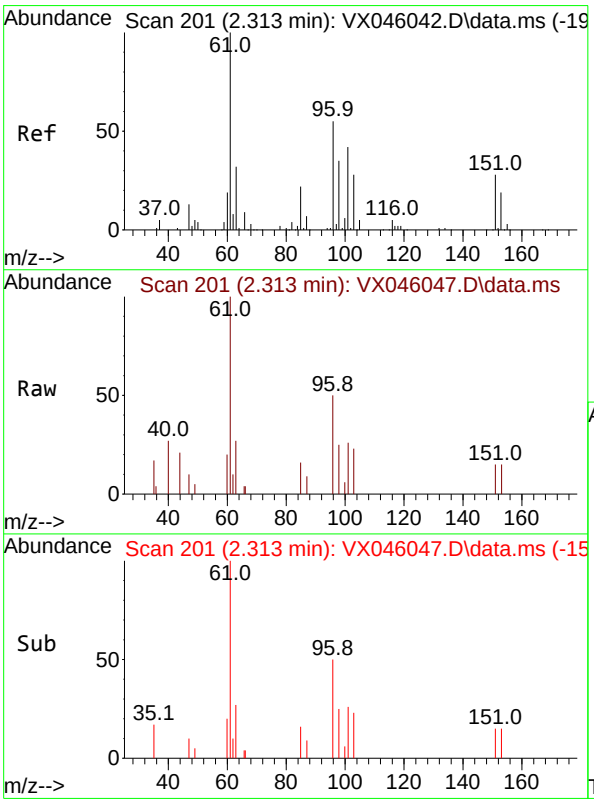
#11
Tert butyl alcohol
Concen: 3.604 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1176

Ion	Ratio	Lower	Upper
59	100		
57	2.4	8.6	12.8#

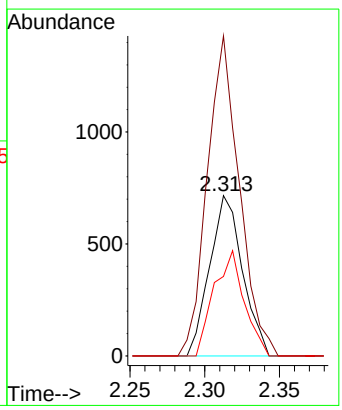


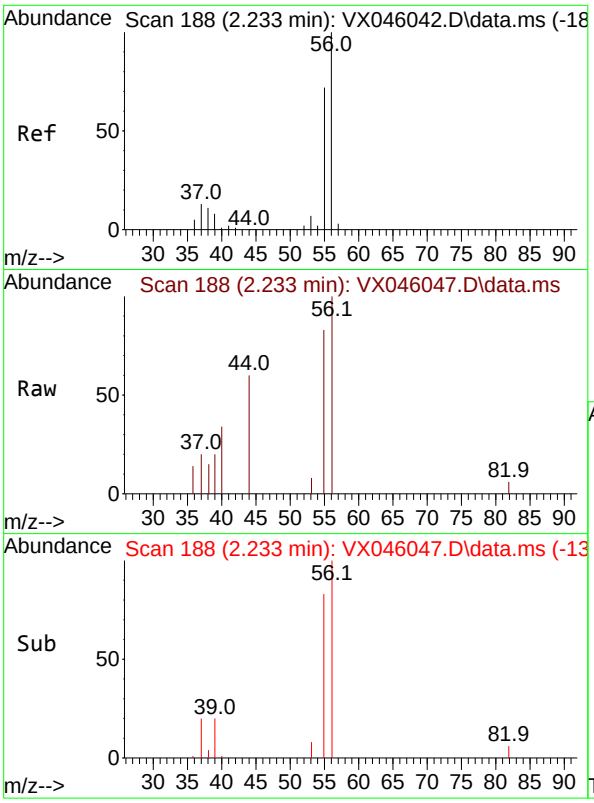


#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



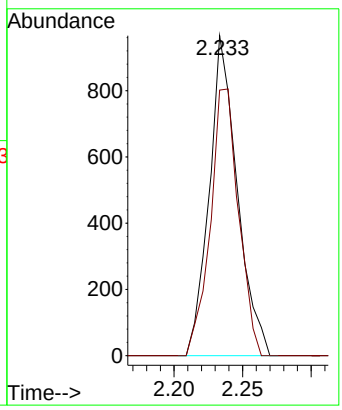


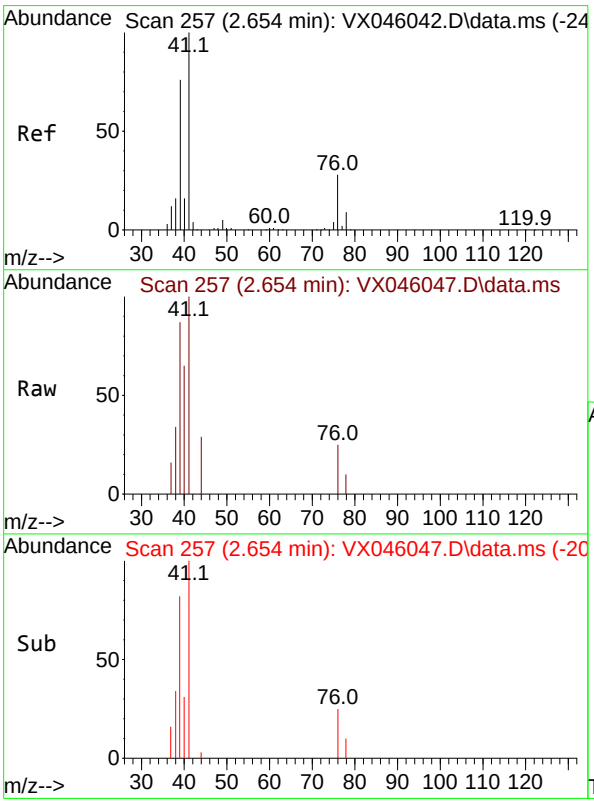
#13
Acrolein
Concen: 3.625 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1374

Ion	Ratio	Lower	Upper
56	100		
55	83.9	56.2	84.4

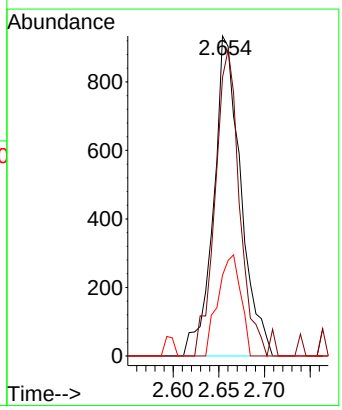


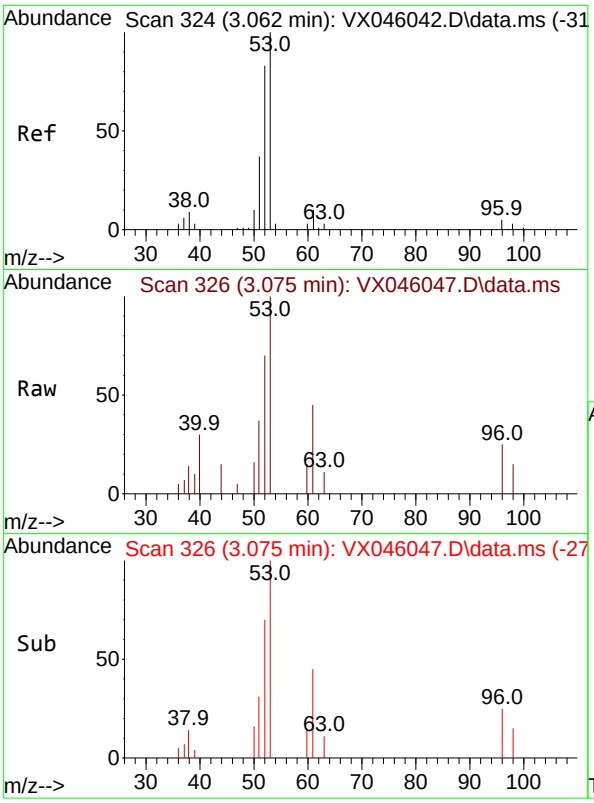


#14
Allyl chloride
Concen: 0.660 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



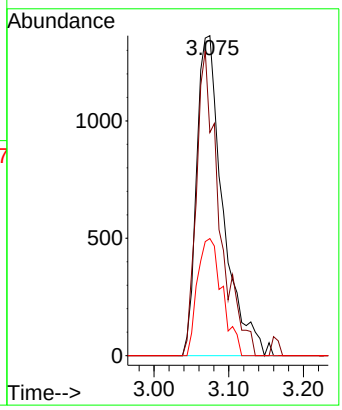


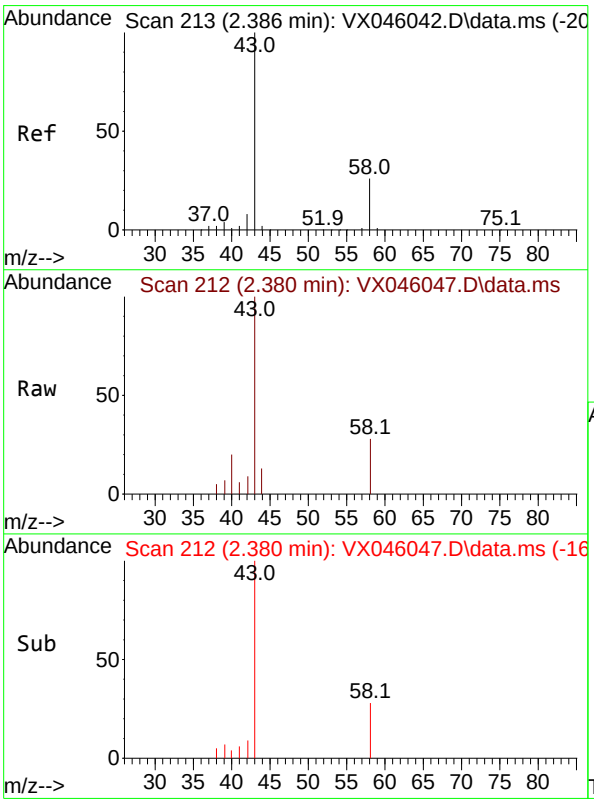
#15
Acrylonitrile
Concen: 3.424 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

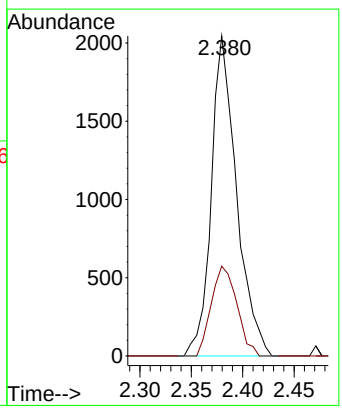


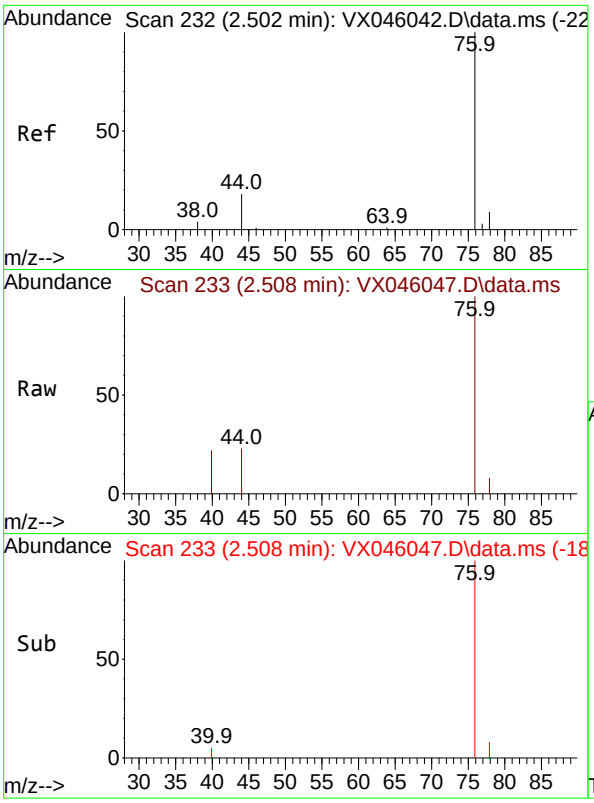


#16
Acetone
Concen: 3.736 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 3500

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.2	31.8



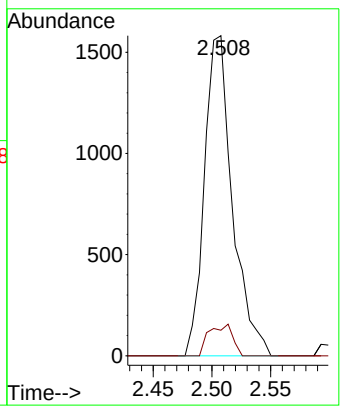


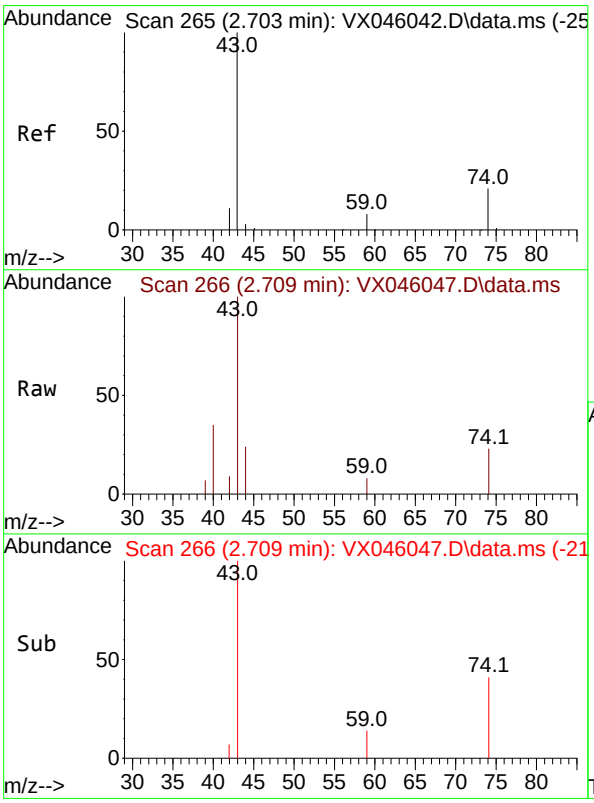
#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2619

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.0	10.4

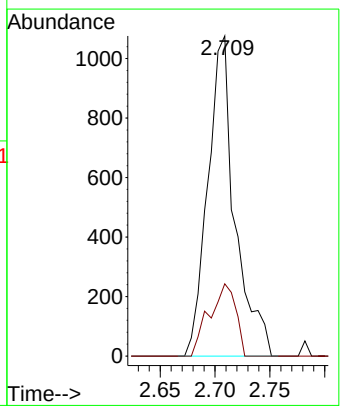


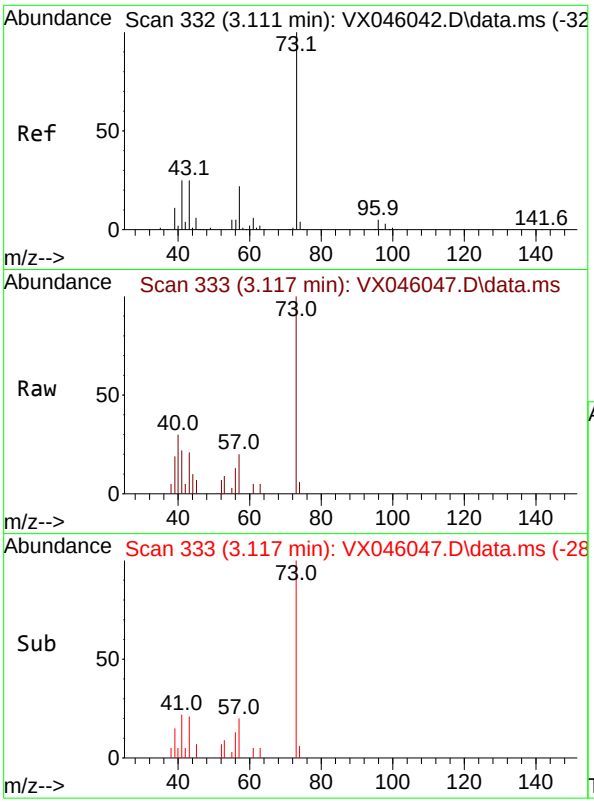


#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1852

Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.7	25.1



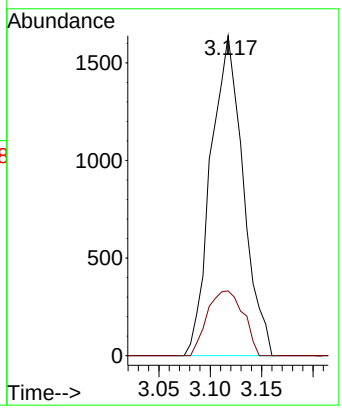


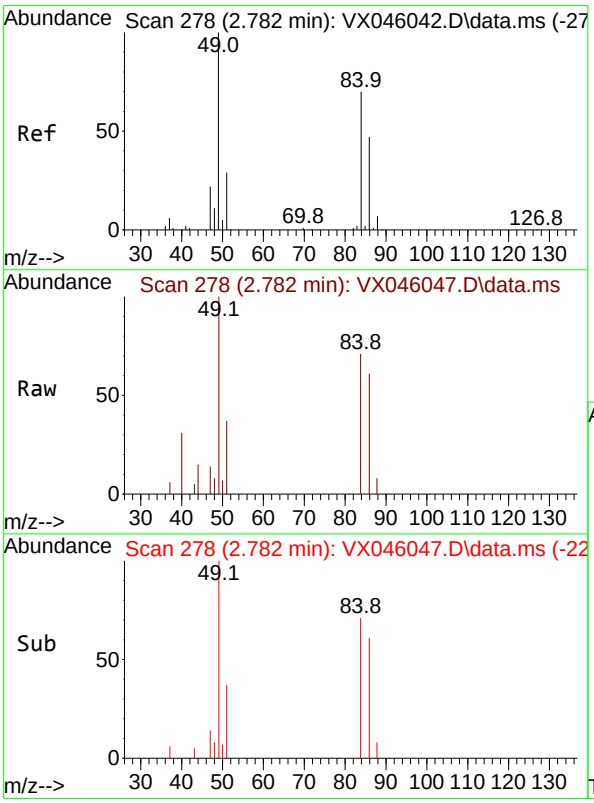
#19
Methyl tert-butyl Ether
Concen: 0.662 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 3588

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

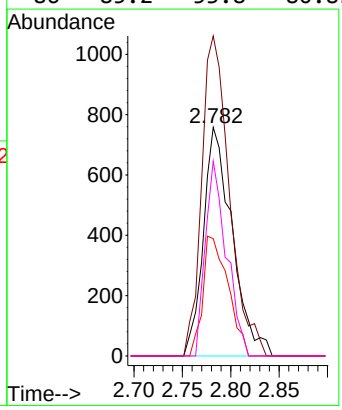


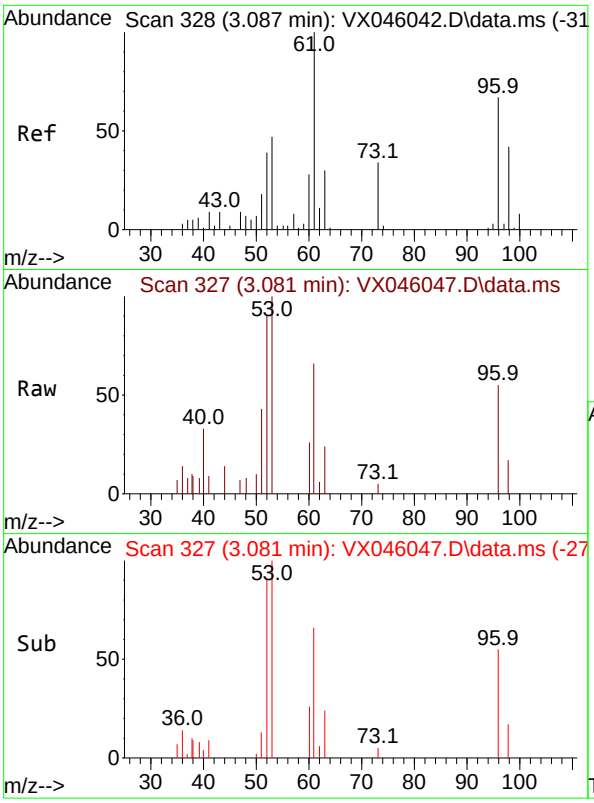


#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



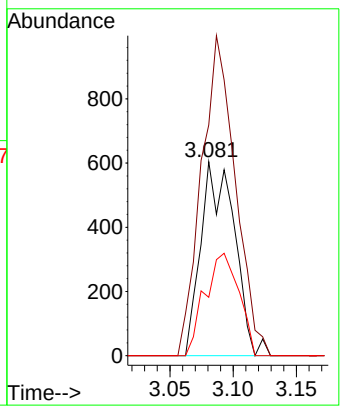


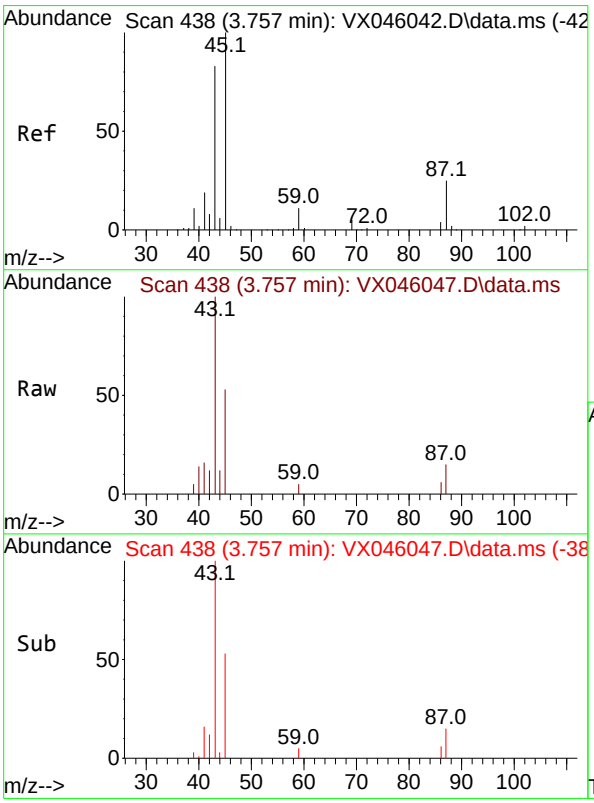
#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

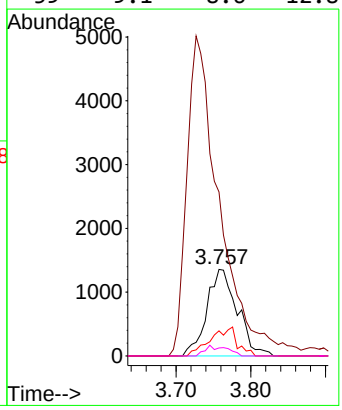


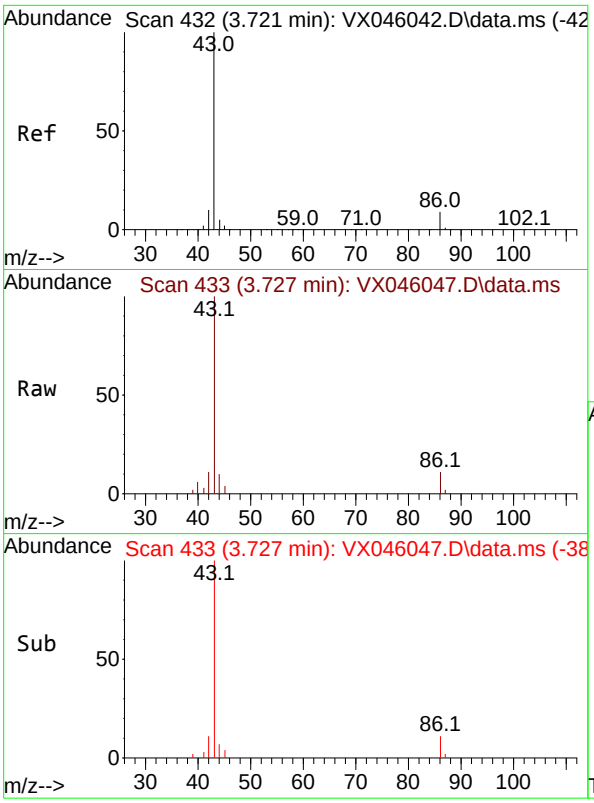


#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



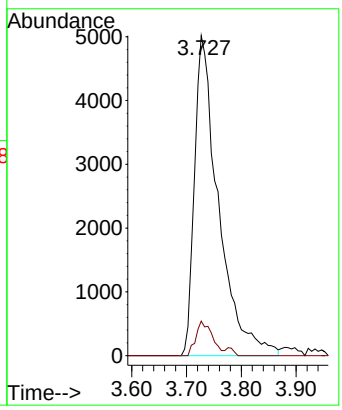


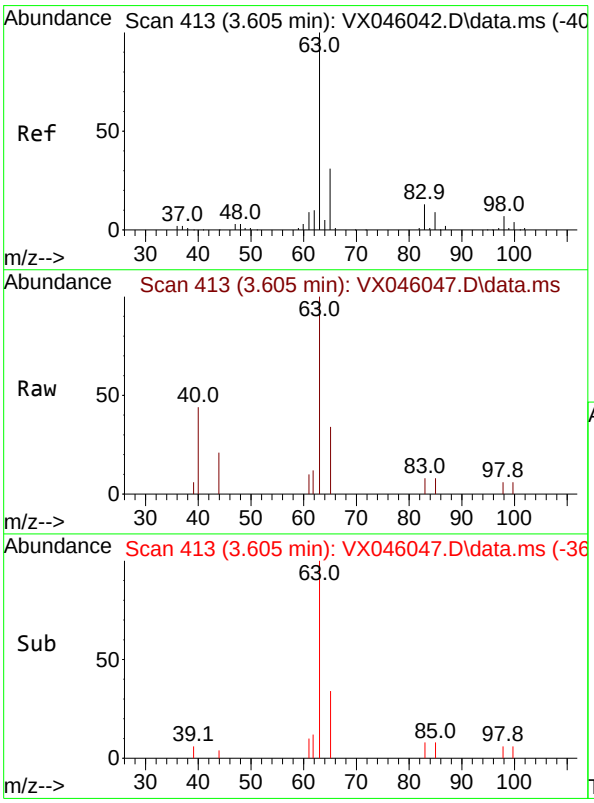
#23
Vinyl Acetate
Concen: 3.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15283

Ion	Ratio	Lower	Upper
43	100		
86	10.8	7.5	11.3

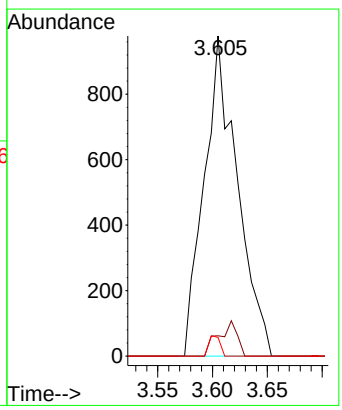


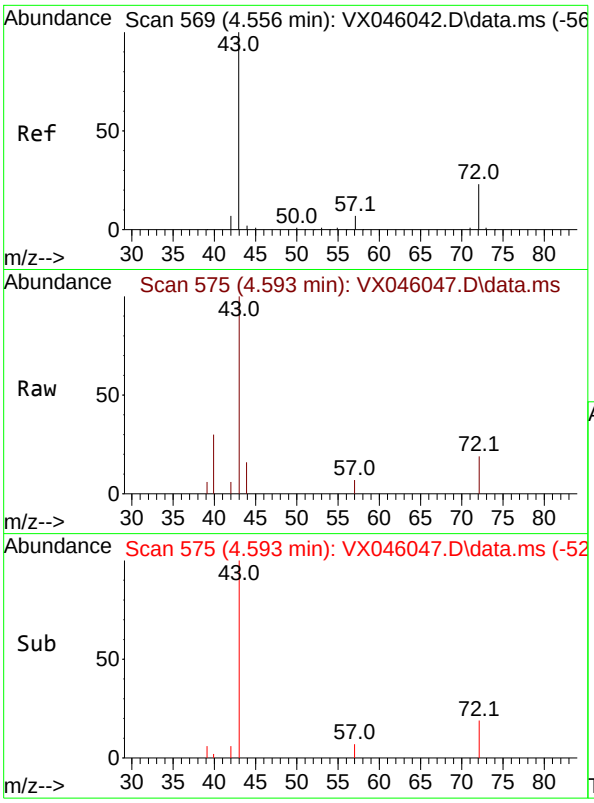


#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



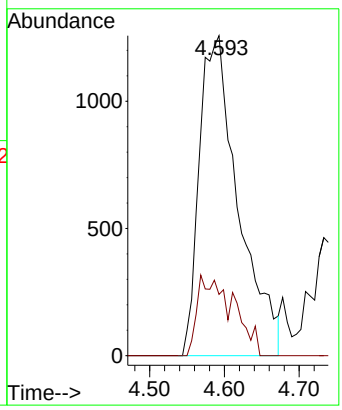


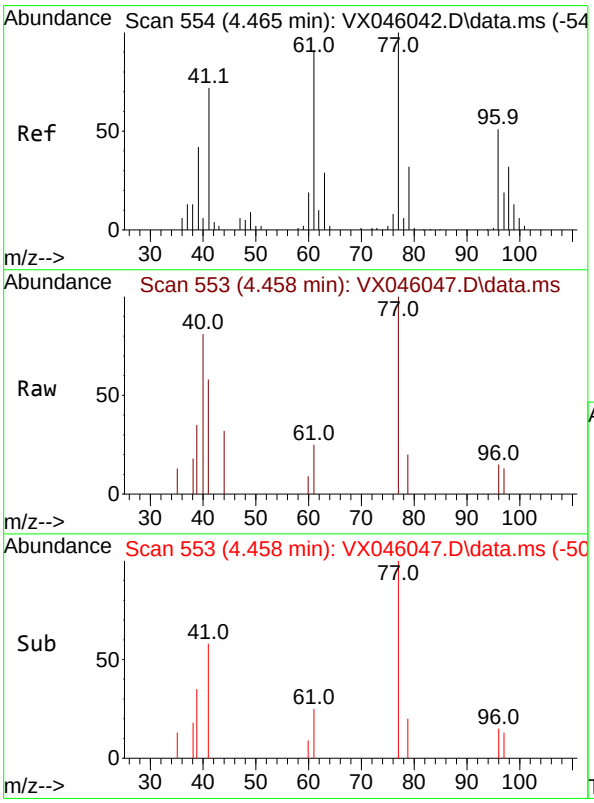
#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4558

Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.4	27.6

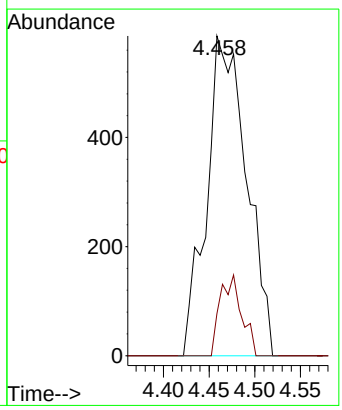


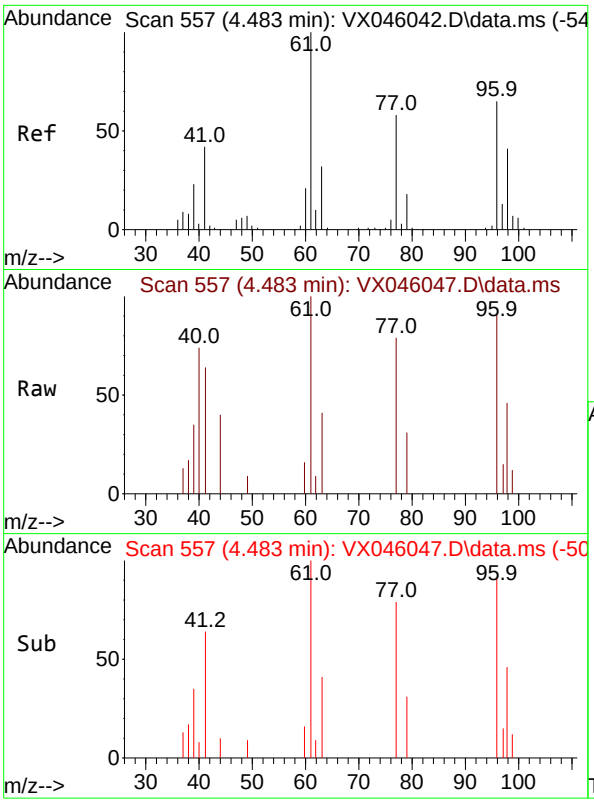


#26
2,2-Dichloropropane
Concen: 0.728 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 77 Resp: 1777

Ion	Ratio	Lower	Upper
77	100		
97	13.7	10.5	31.5



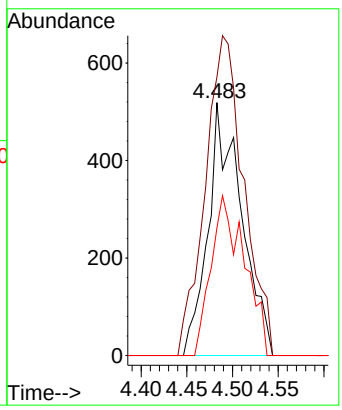


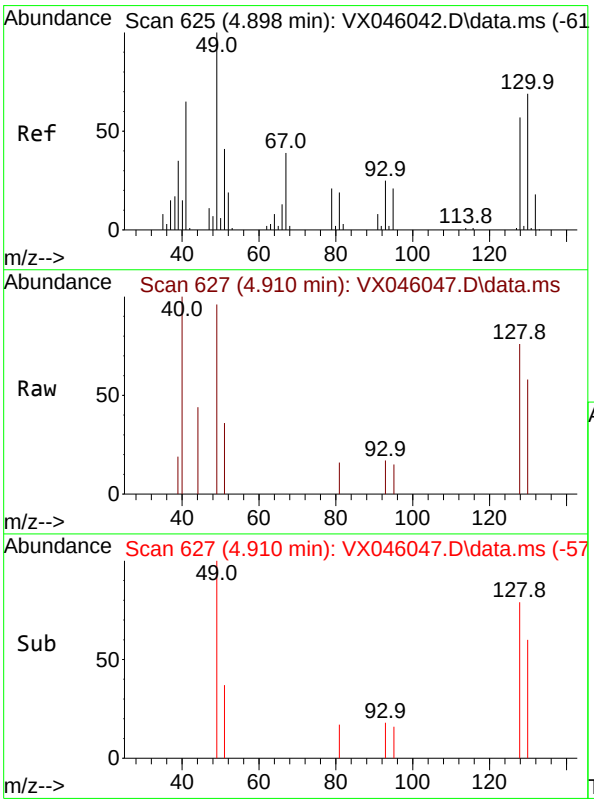
#27
cis-1,2-Dichloroethene
Concen: 0.693 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

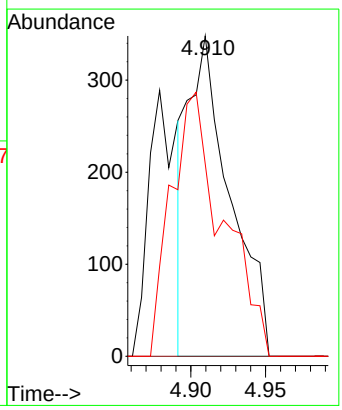


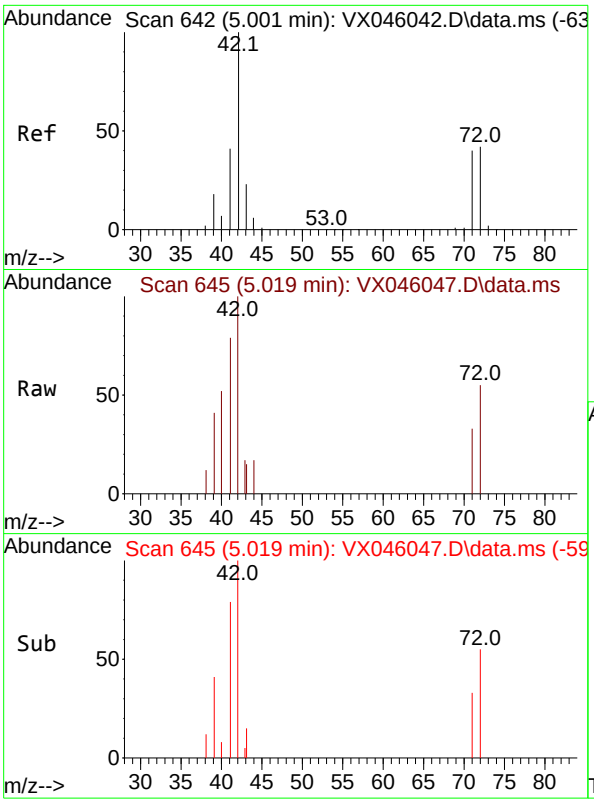


#28
Bromochloromethane
Concen: 0.398 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



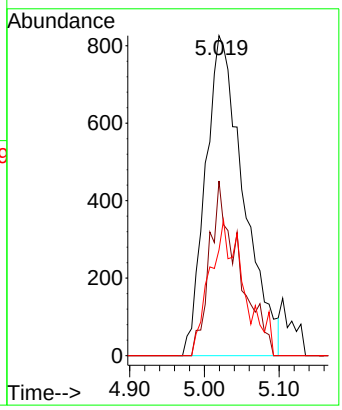


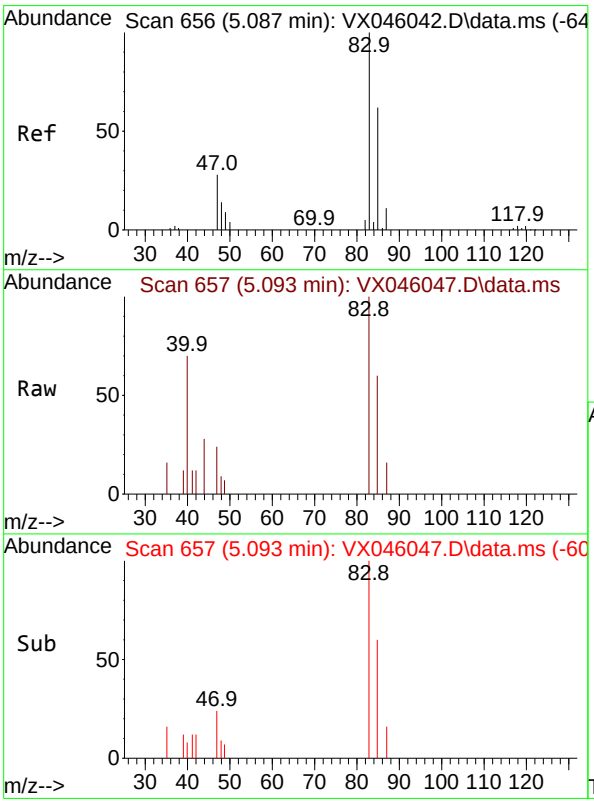
#29
Tetrahydrofuran
Concen: 3.338 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

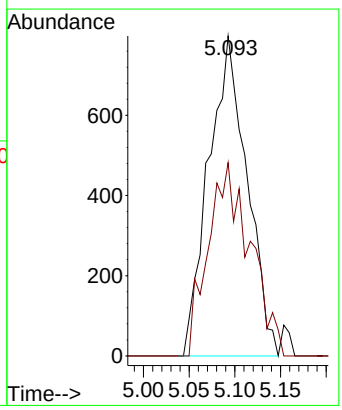


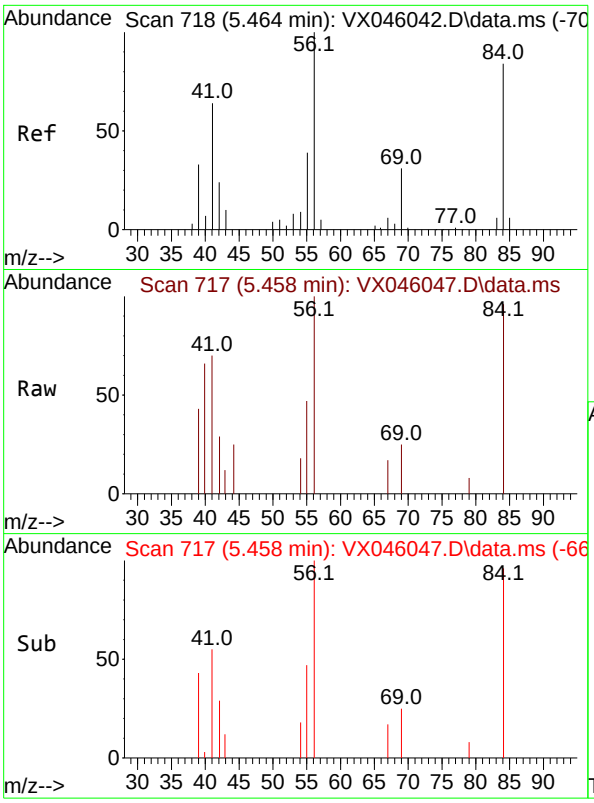


#30
Chloroform
Concen: 0.695 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2328

Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.3	73.9



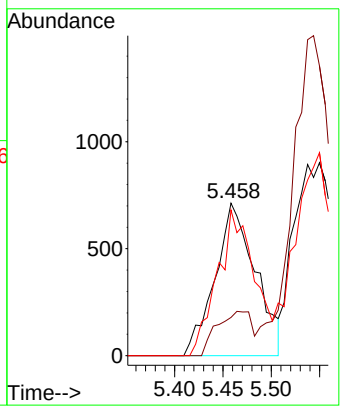


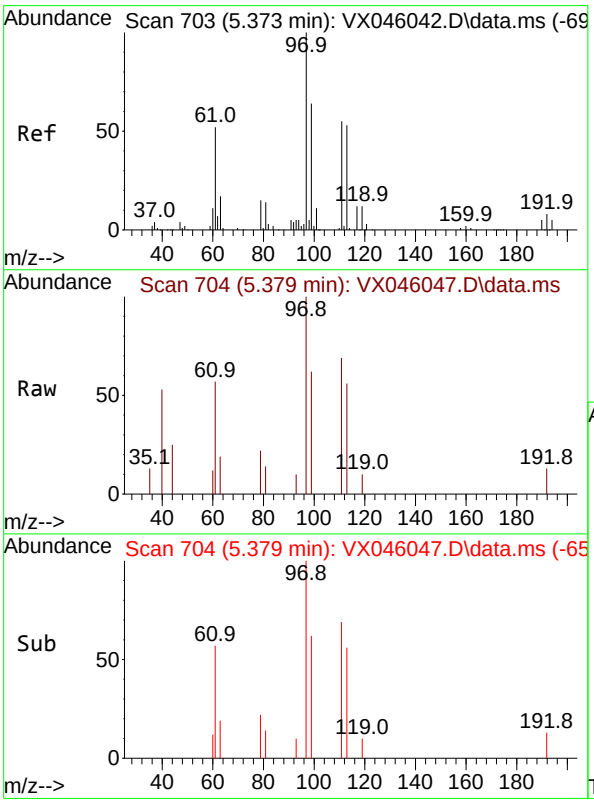
#31
Cyclohexane
Concen: 0.763 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

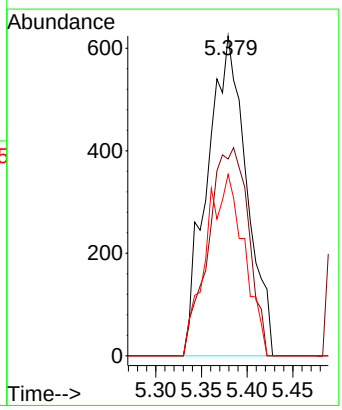


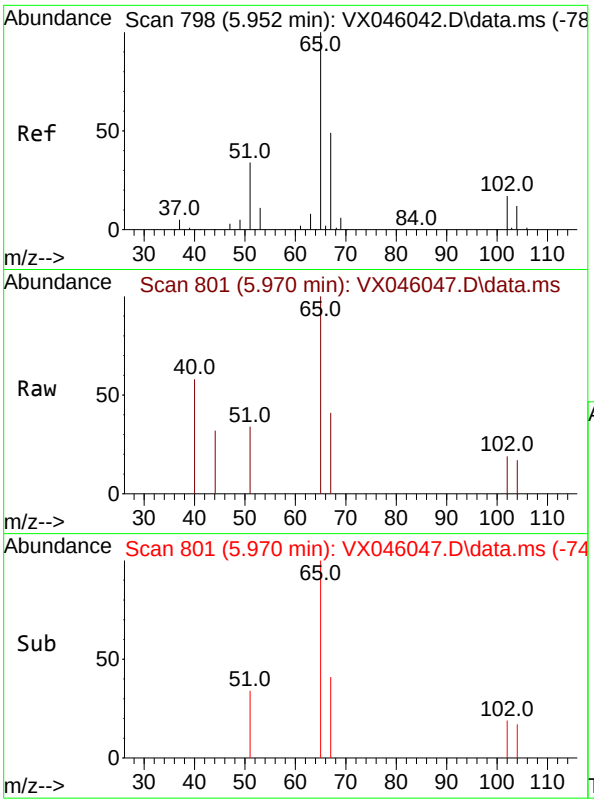


#32
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



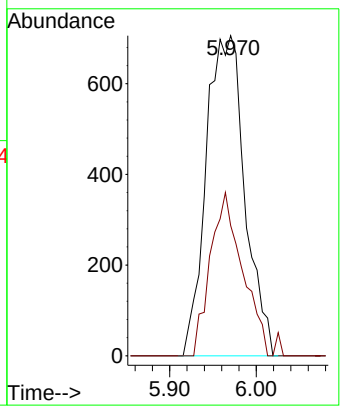


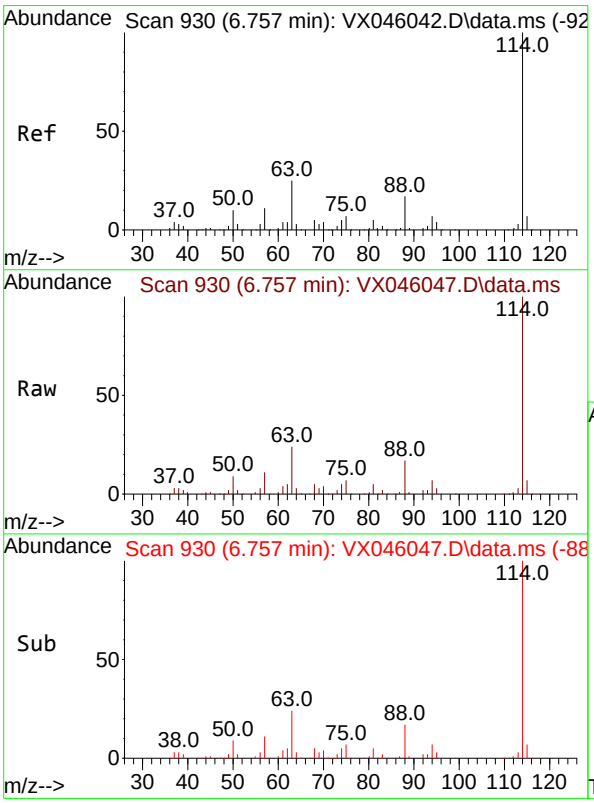
#33
1,2-Dichloroethane-d4
Concen: 0.799 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2188

Ion	Ratio	Lower	Upper
65	100		
67	42.3	0.0	99.0

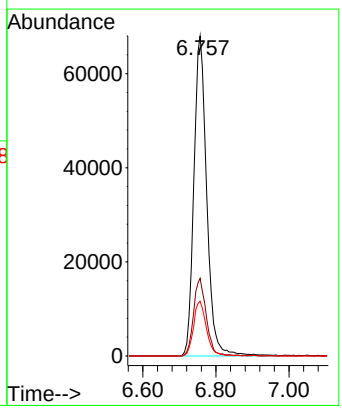


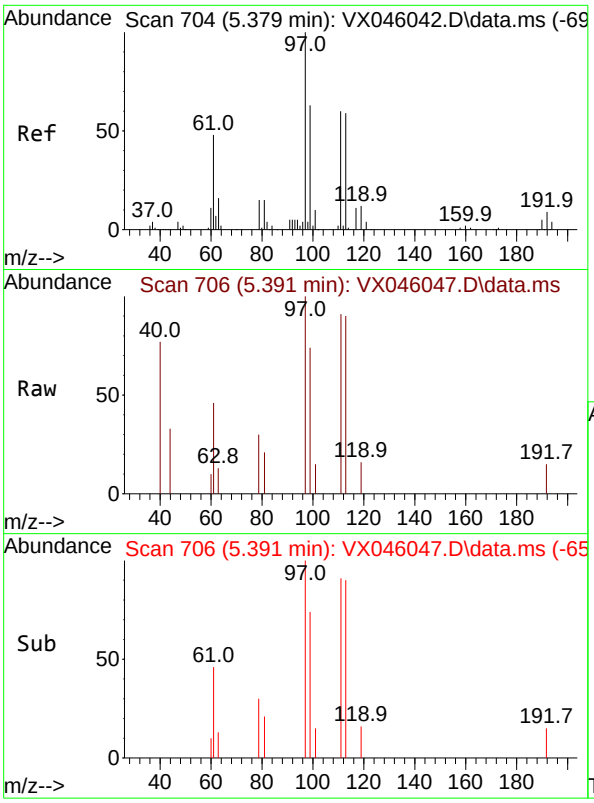


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



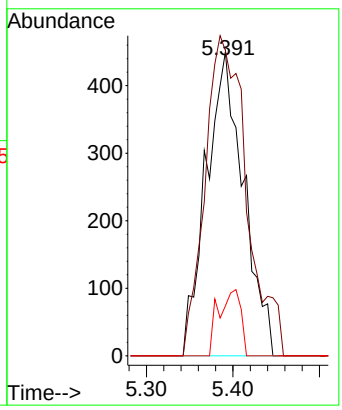


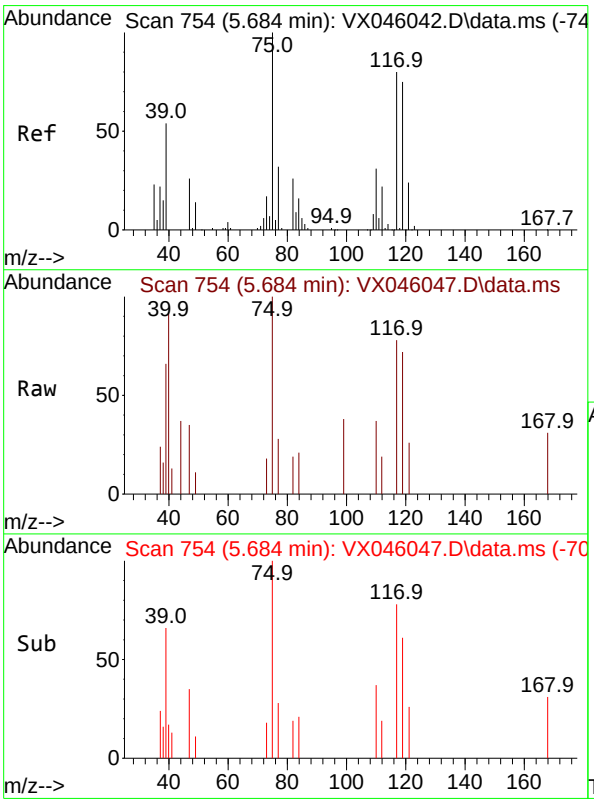
#35
Dibromofluoromethane
Concen: 0.721 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

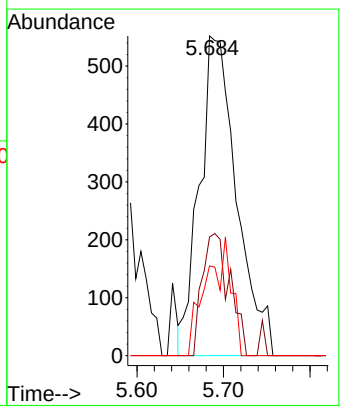


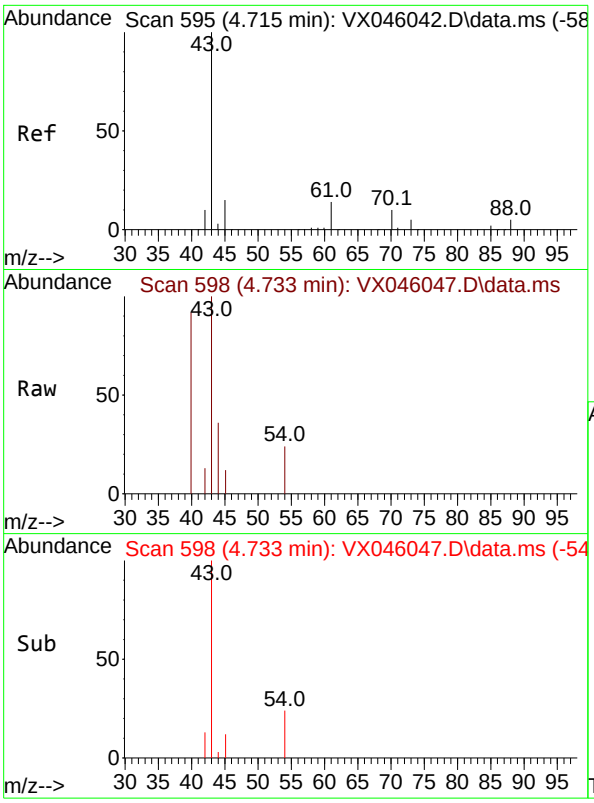


#36
1,1-Dichloropropene
Concen: 0.758 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



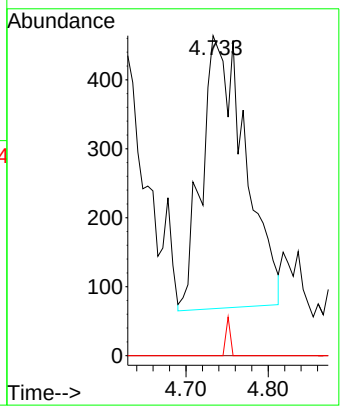


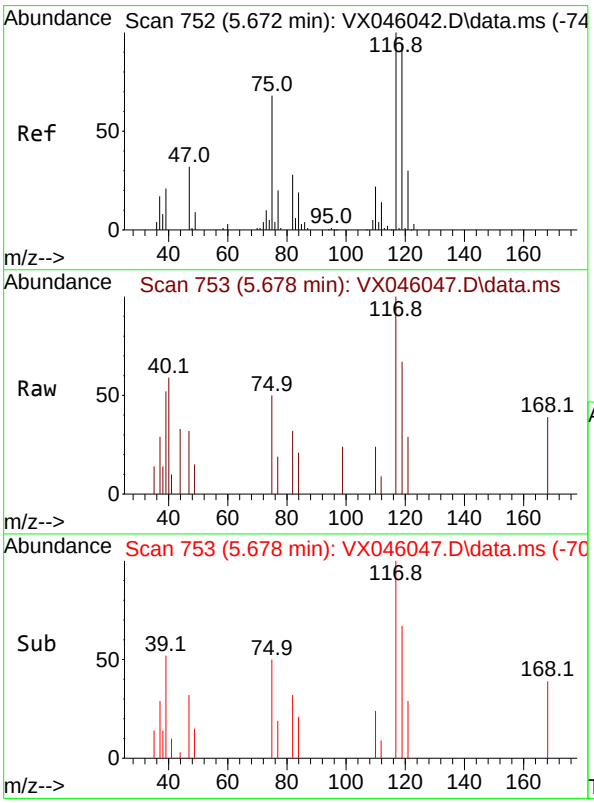
#37
Ethyl Acetate
Concen: 0.531 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

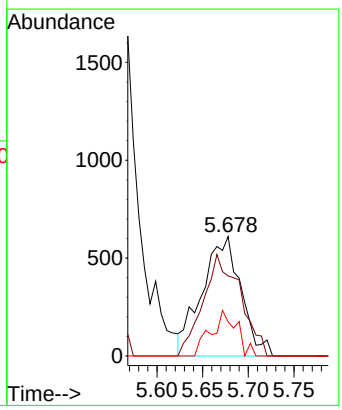


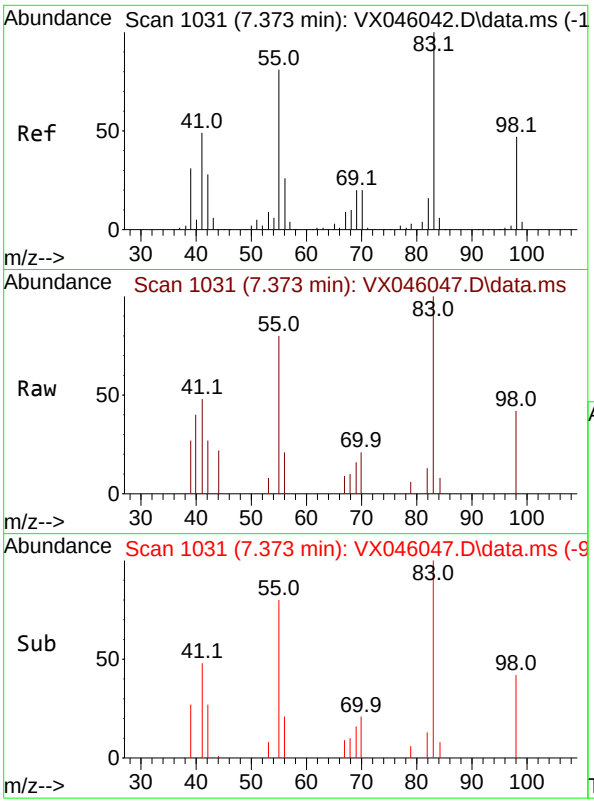


#38
Carbon Tetrachloride
Concen: 0.724 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



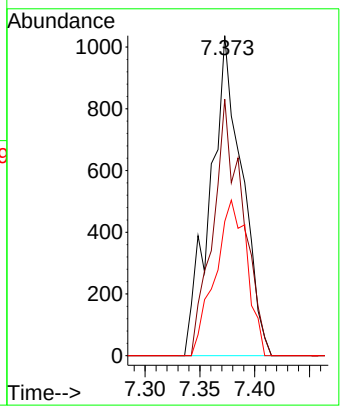


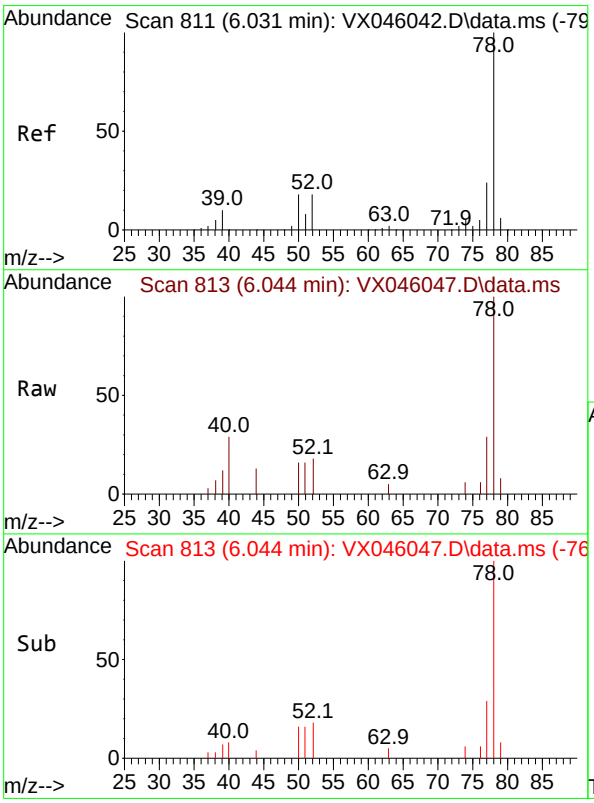
#39
Methylcyclohexane
Concen: 0.770 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

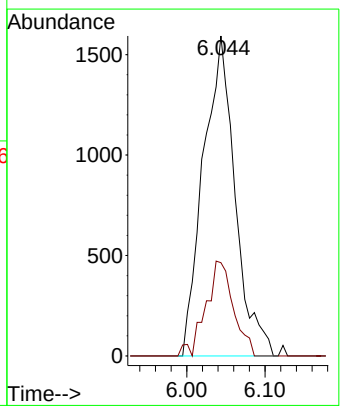


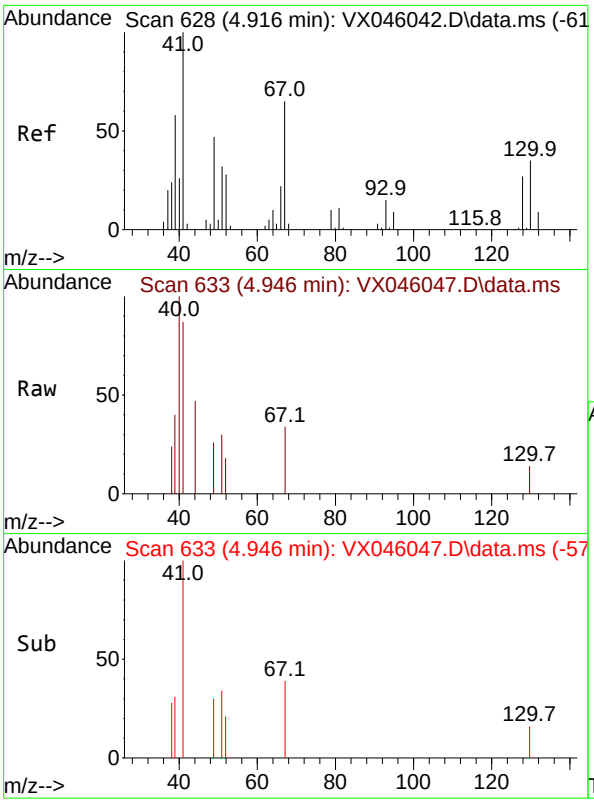


#40
Benzene
Concen: 0.668 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 78 Resp: 4502

Ion	Ratio	Lower	Upper
78	100		
77	29.1	19.0	28.4#



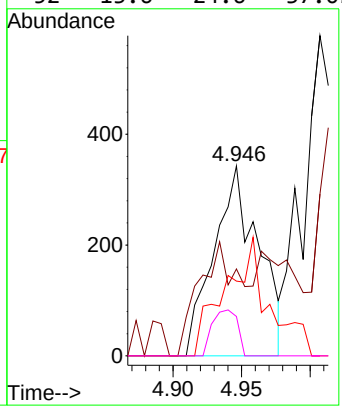


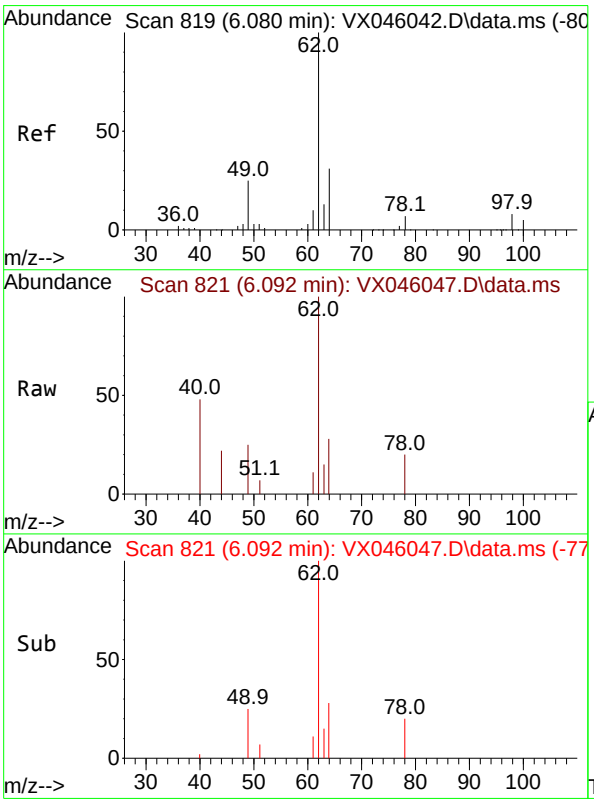
#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 4.946 min Scan# 6
Delta R.T. 0.030 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

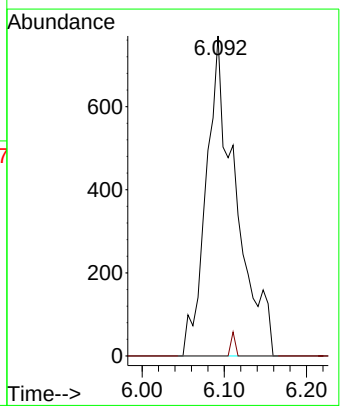


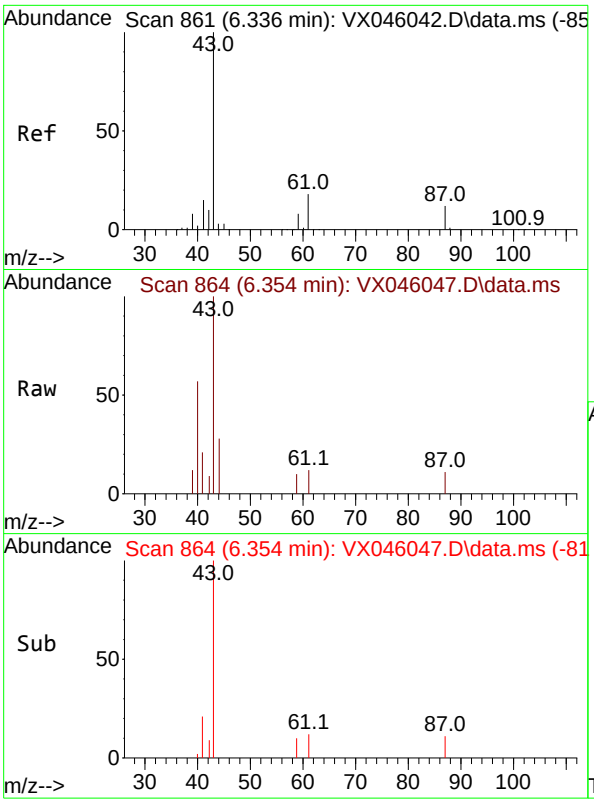


#42
1,2-Dichloroethane
Concen: 0.694 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1934

Ion	Ratio	Lower	Upper
62	100		
98	1.1	0.0	15.2



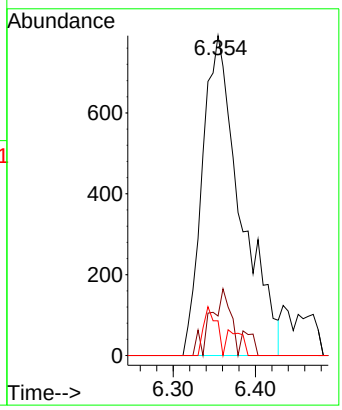


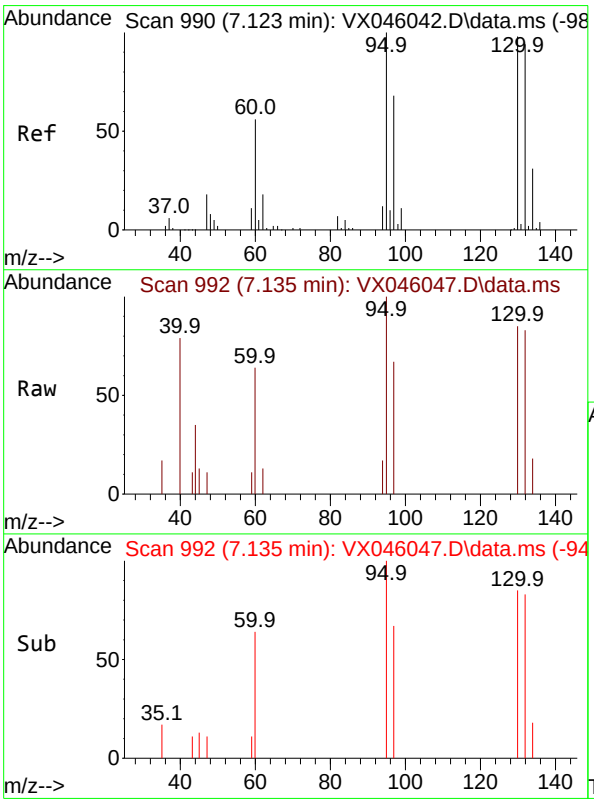
#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

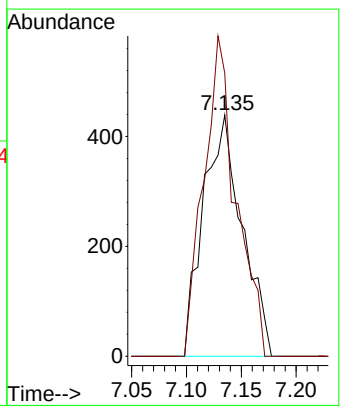


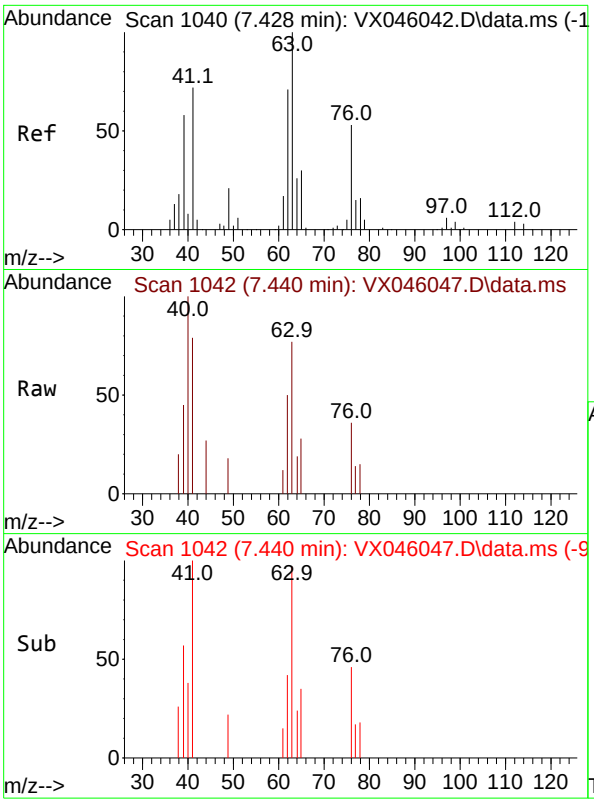


#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:130 Resp: 1083

Ion	Ratio	Lower	Upper
130	100		
95	117.3	0.0	204.2



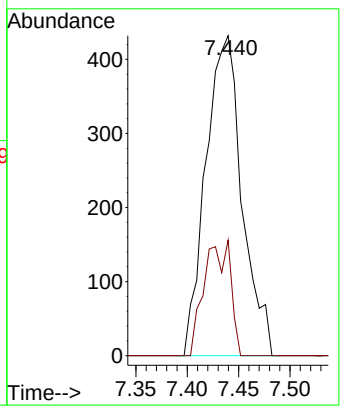


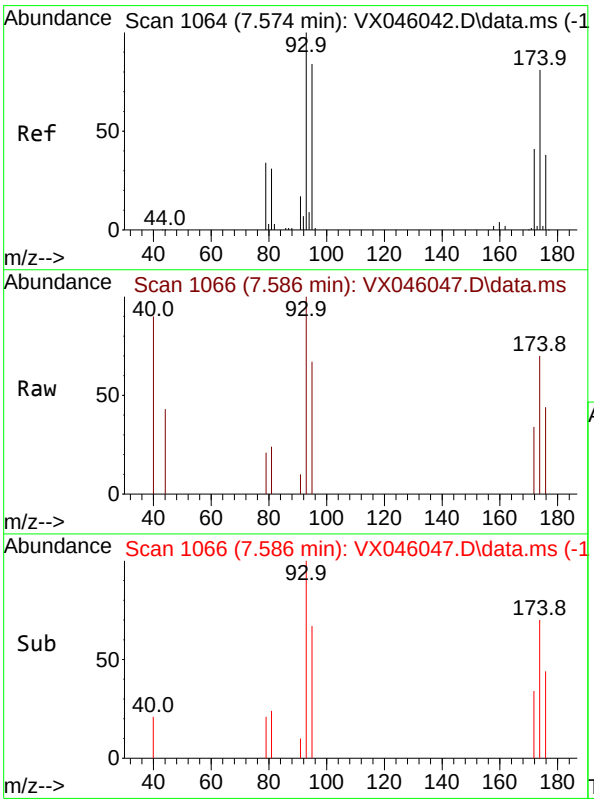
#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1059

Ion	Ratio	Lower	Upper
63	100		
65	36.1	24.1	36.1

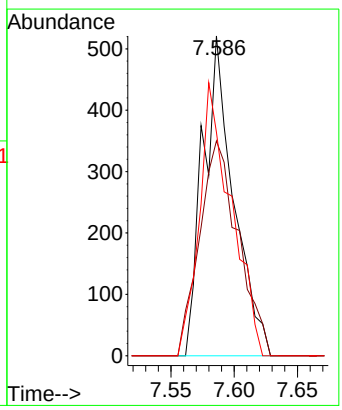


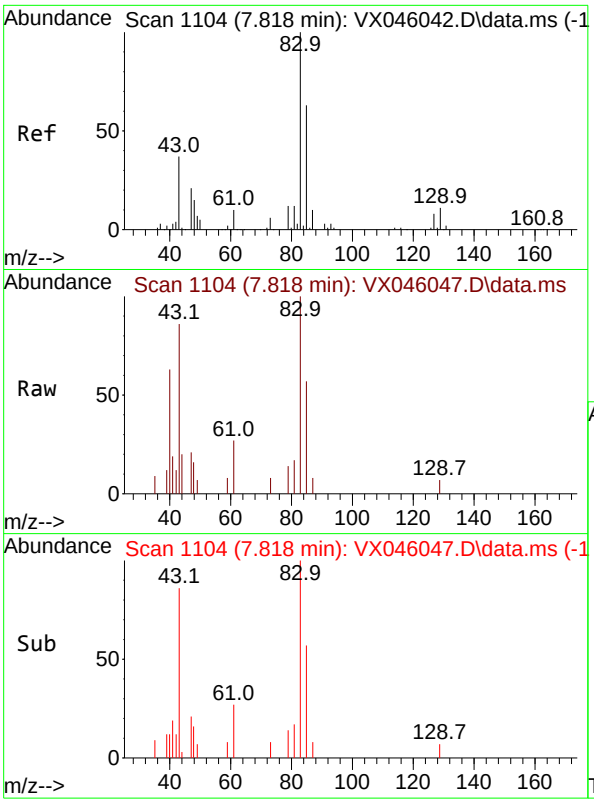


#46
Dibromomethane
Concen: 0.667 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



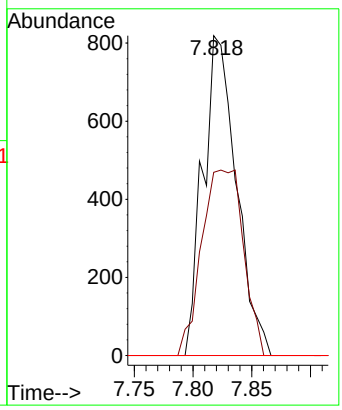


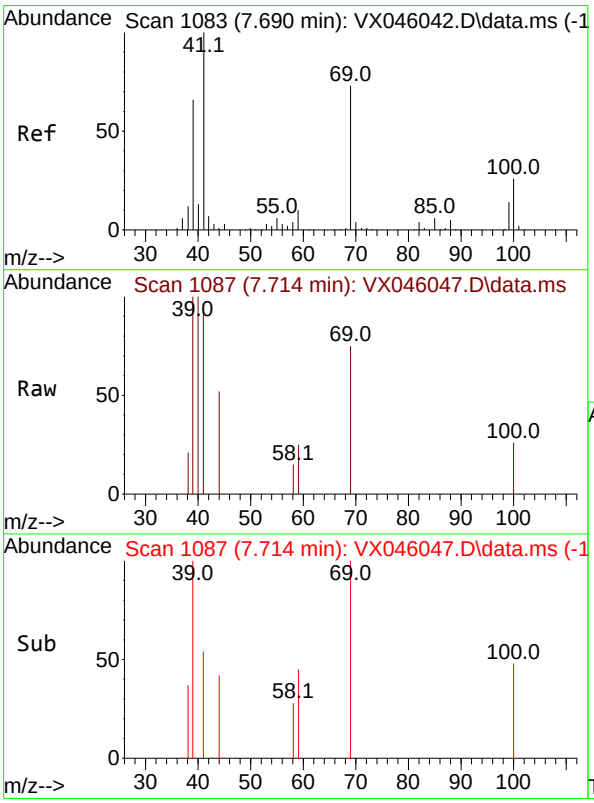
#47
Bromodichloromethane
Concen: 0.633 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

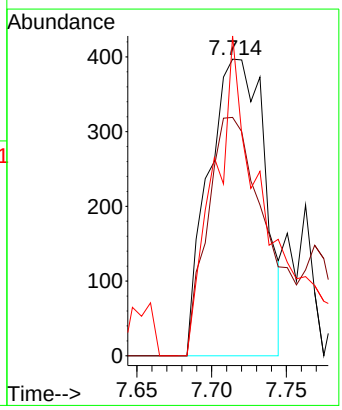


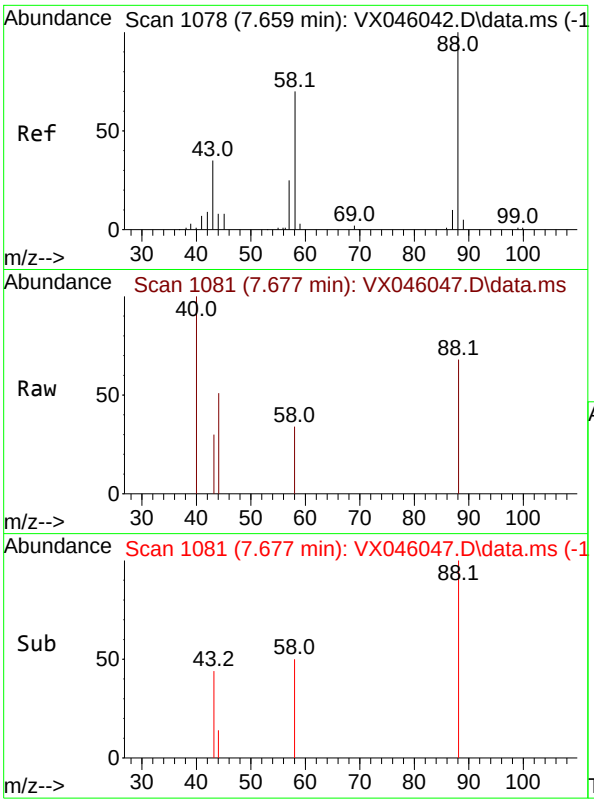


#48
Methyl methacrylate
Concen: 0.483 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



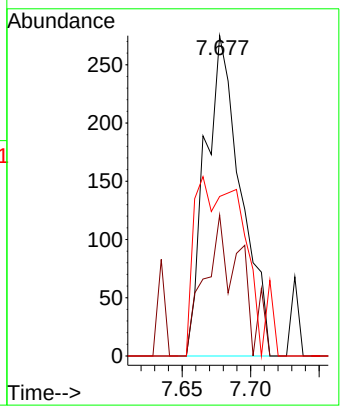


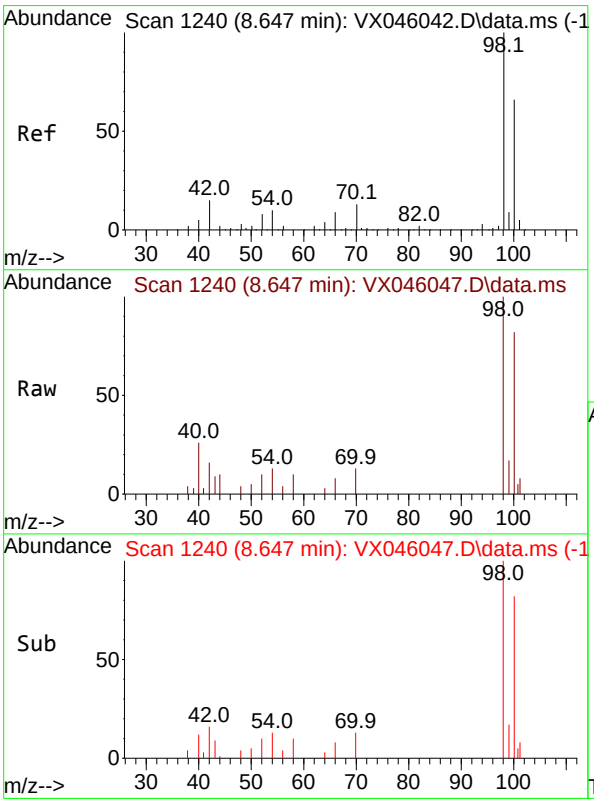
#49
1,4-Dioxane
Concen: 11.703 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#

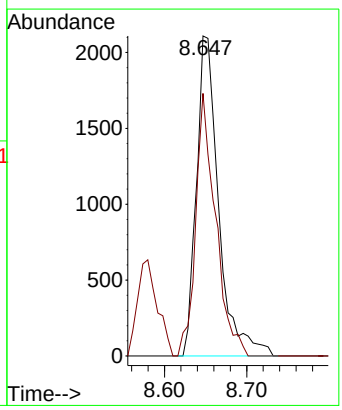


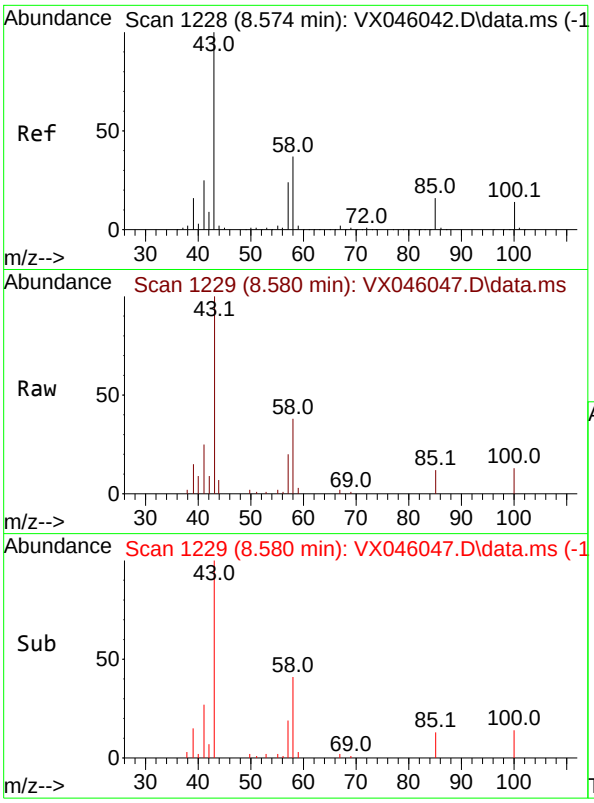


#50
Toluene-d8
Concen: 0.628 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 98 Resp: 3964

Ion	Ratio	Lower	Upper
98	100		
100	73.5	53.5	80.3



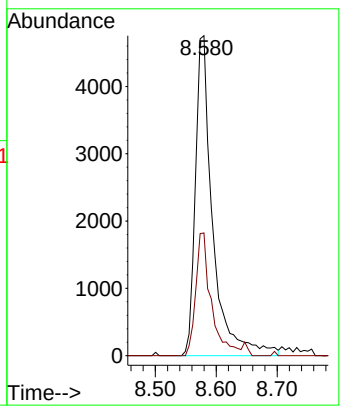


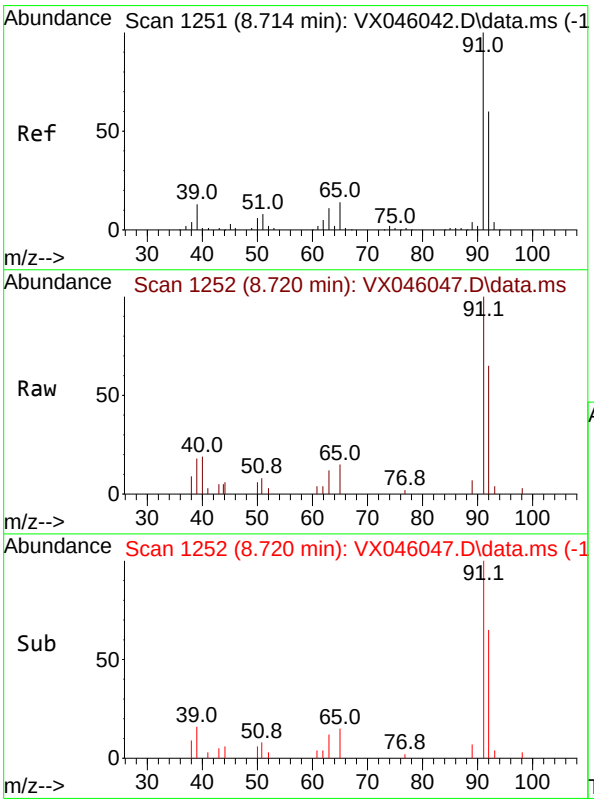
#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9378

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.9	43.3

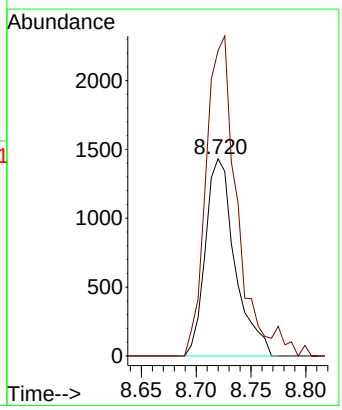


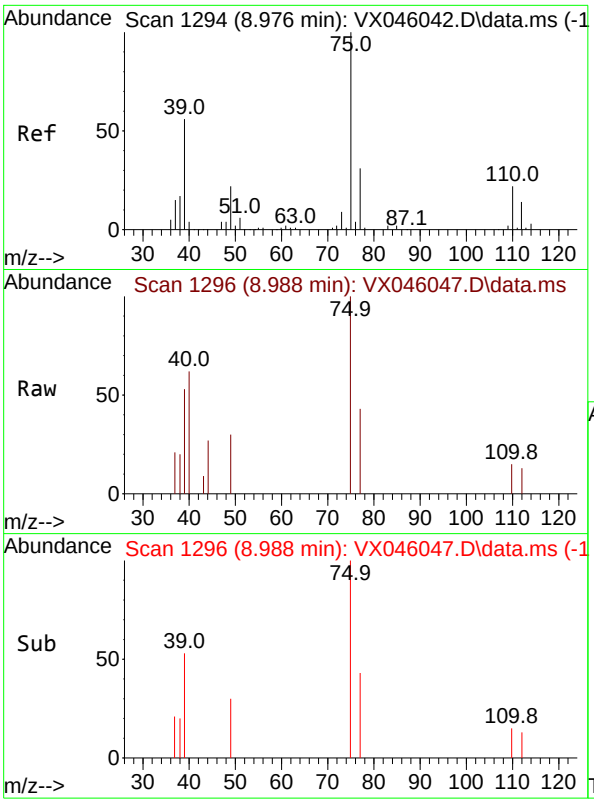


#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 92 Resp: 2684

Ion	Ratio	Lower	Upper
92	100		
91	165.7	136.6	205.0



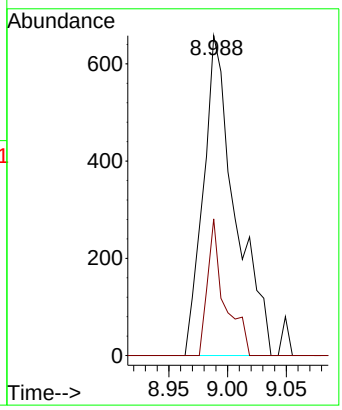


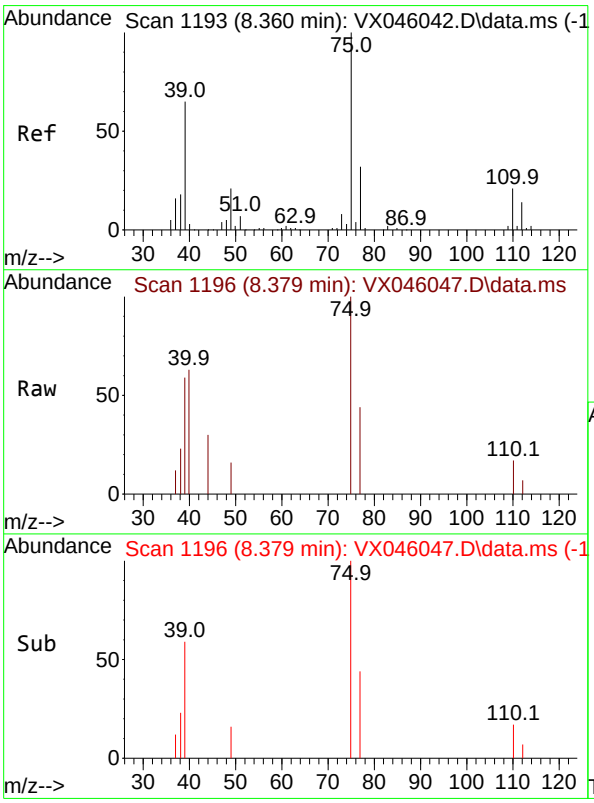
#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	42.7	25.0	37.6#

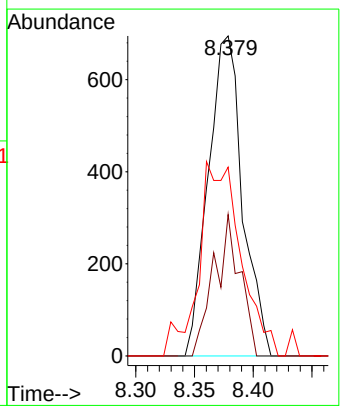


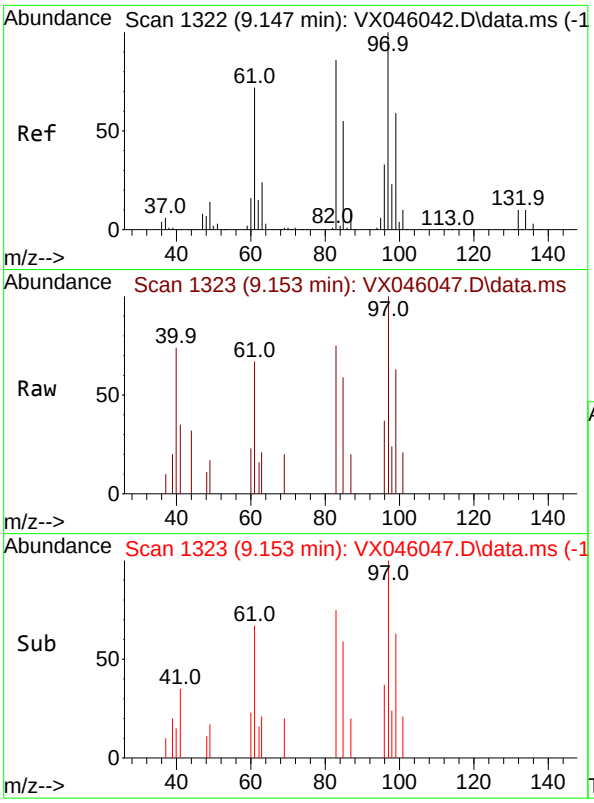


#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



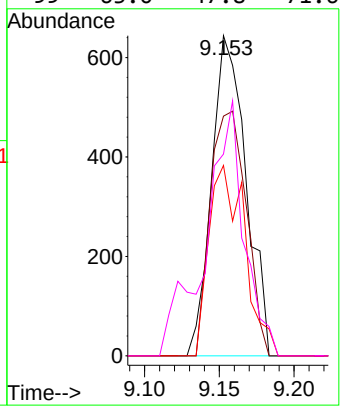


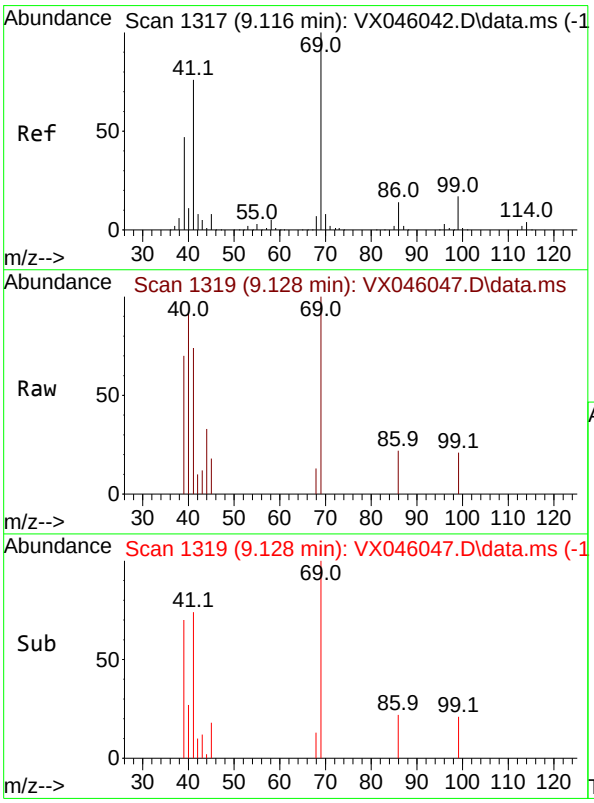
#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

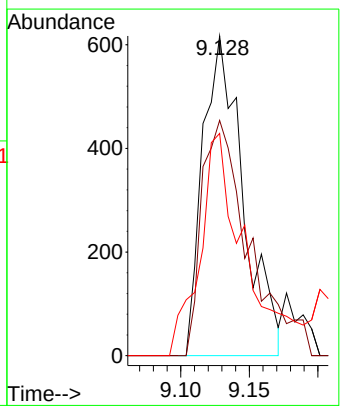


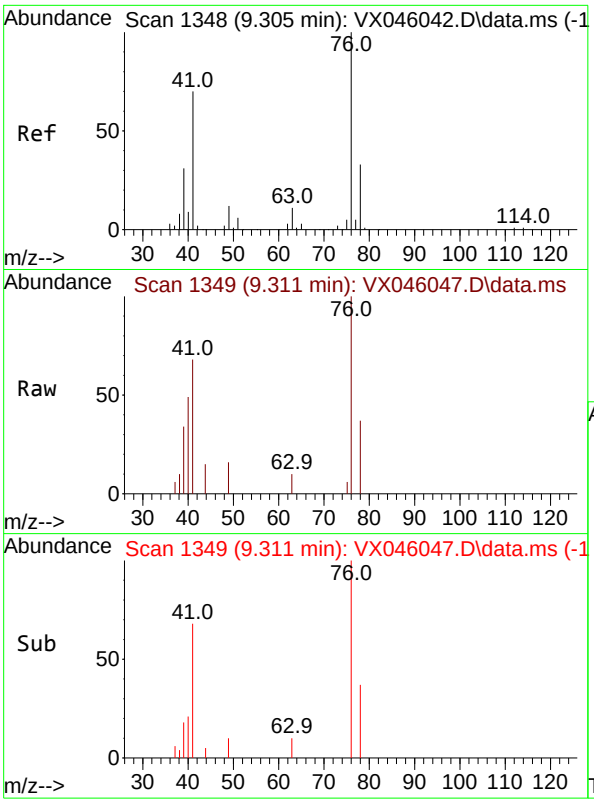


#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



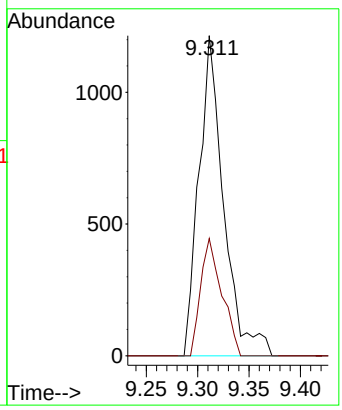


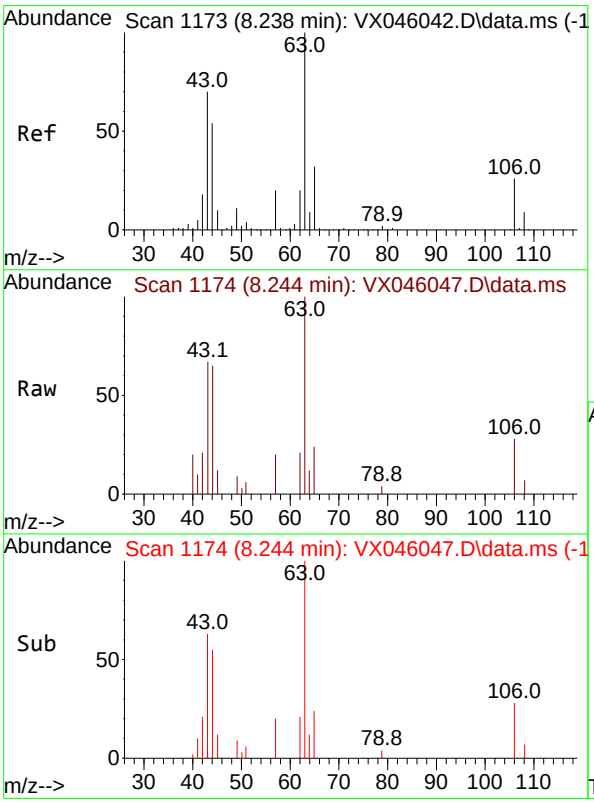
#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2036

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

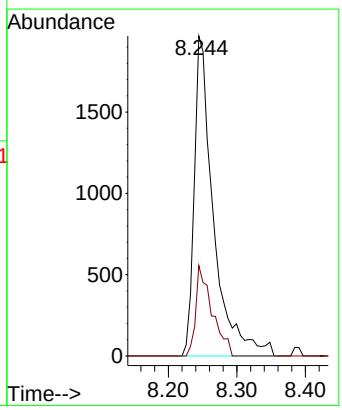


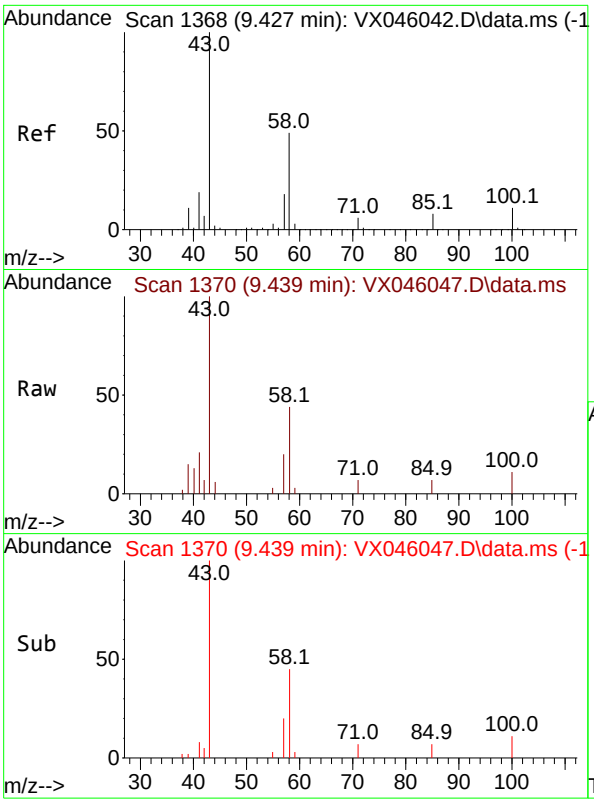


#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 3846

Ion	Ratio	Lower	Upper
63	100		
106	24.0	21.5	32.3



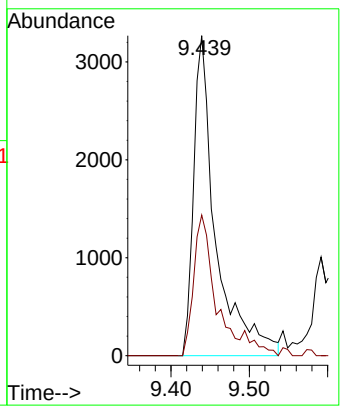


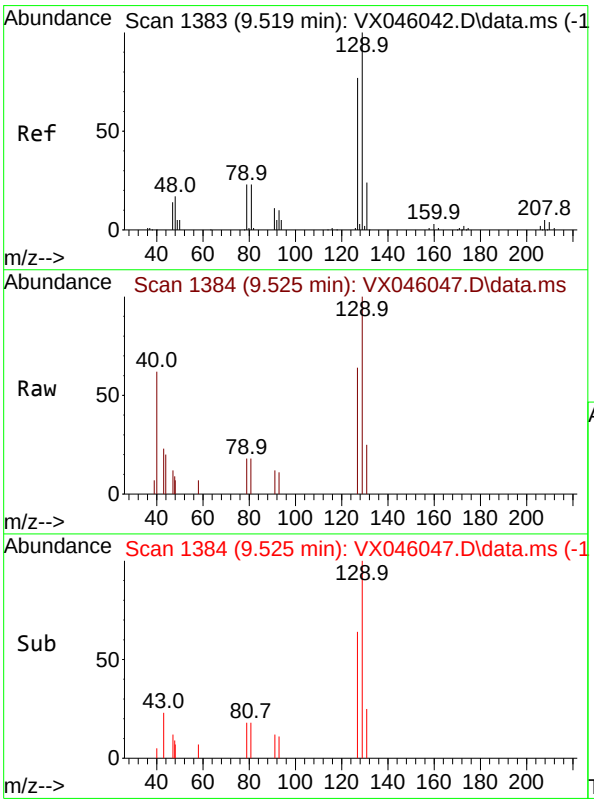
#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6424

Ion	Ratio	Lower	Upper
43	100		
58	41.6	24.9	74.6

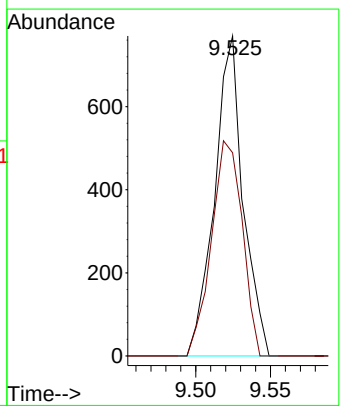


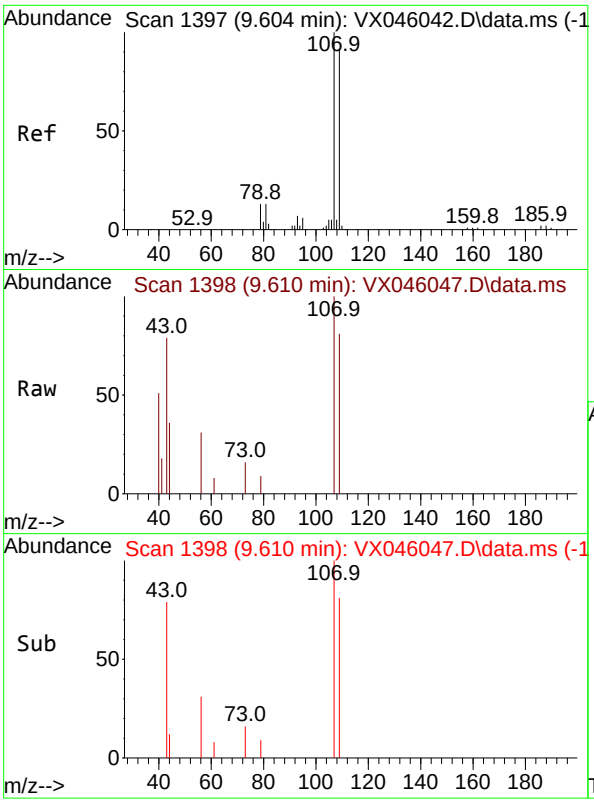


#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:129 Resp: 1023

Ion	Ratio	Lower	Upper
129	100		
127	72.5	39.3	117.8



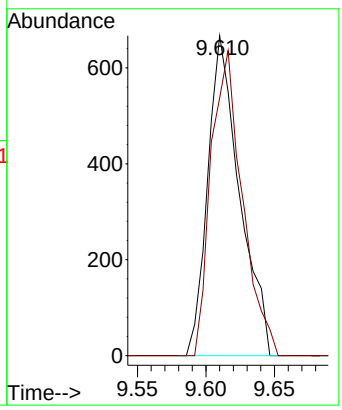


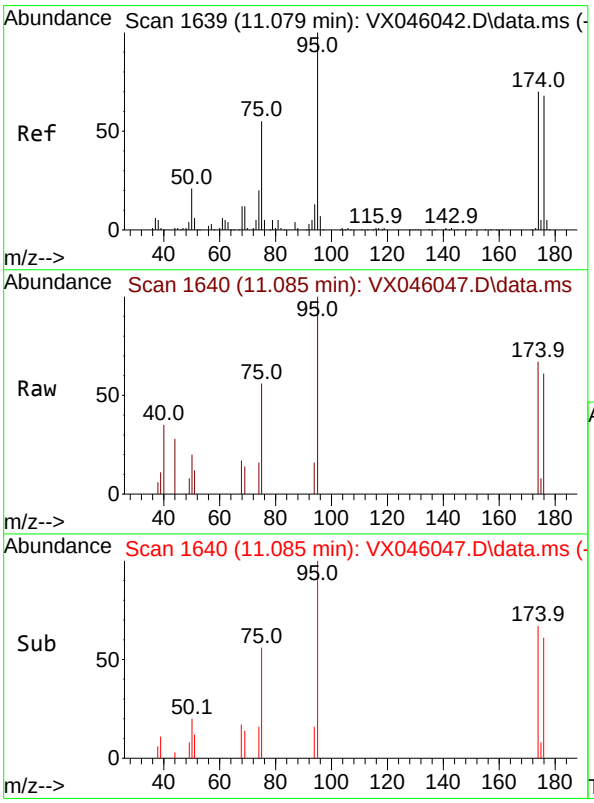
#61
1,2-Dibromoethane
Concen: 0.650 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1077

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.3	109.9

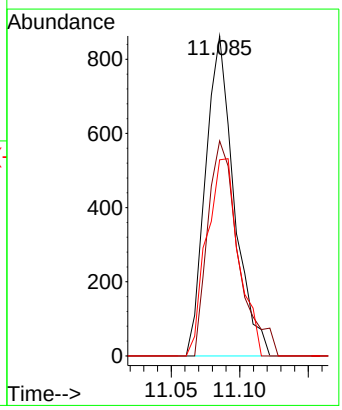


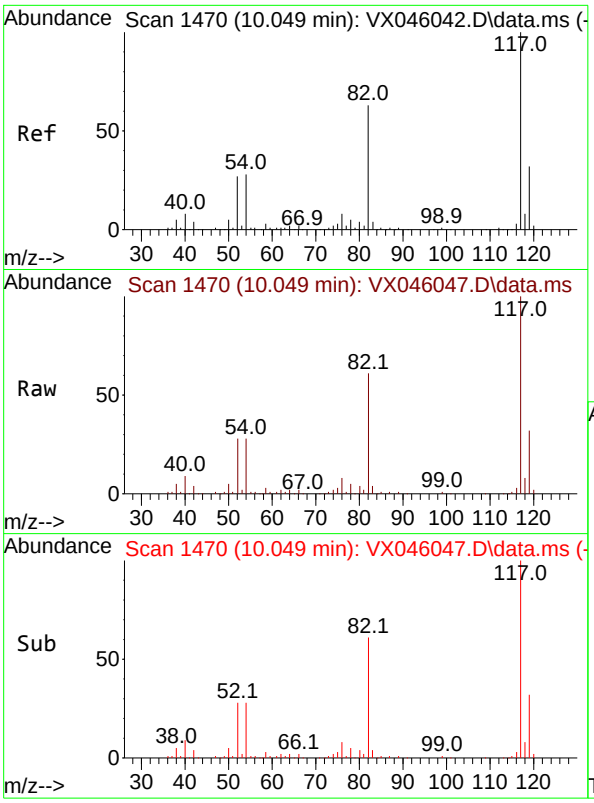


#62
4-Bromofluorobenzene
Concen: 0.545 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



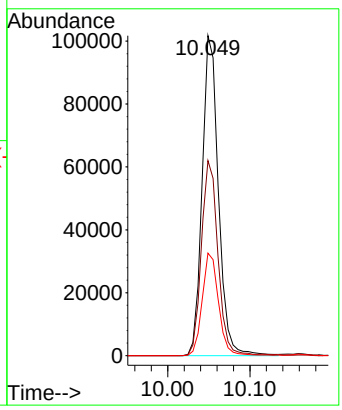


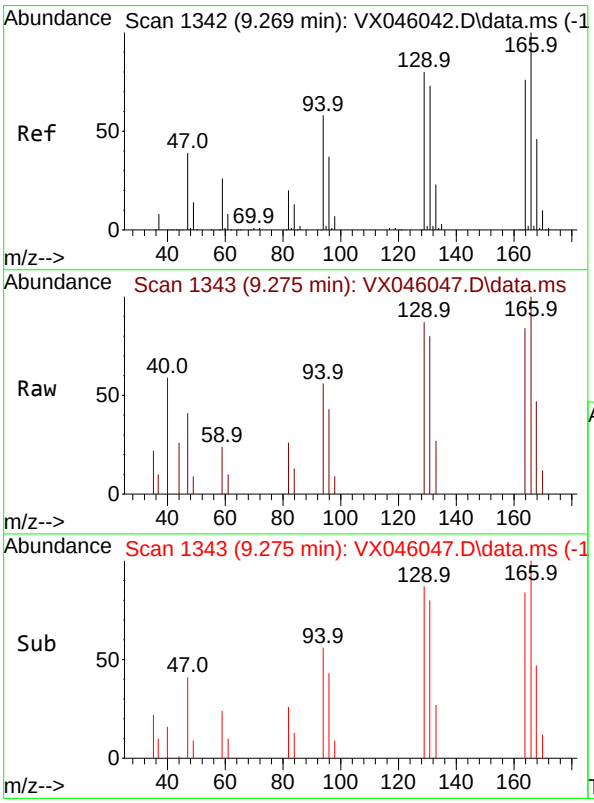
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

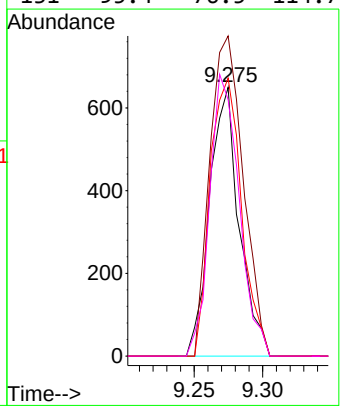


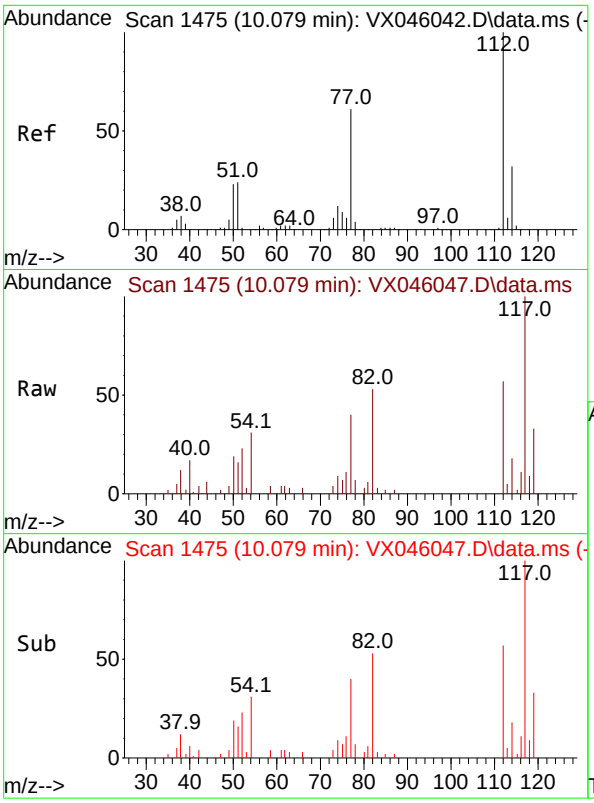


#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



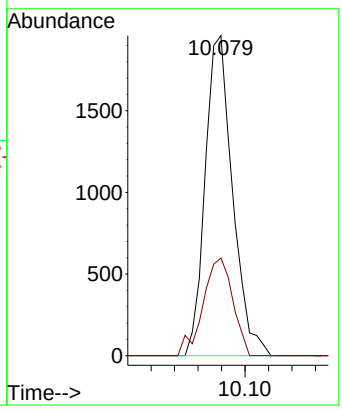


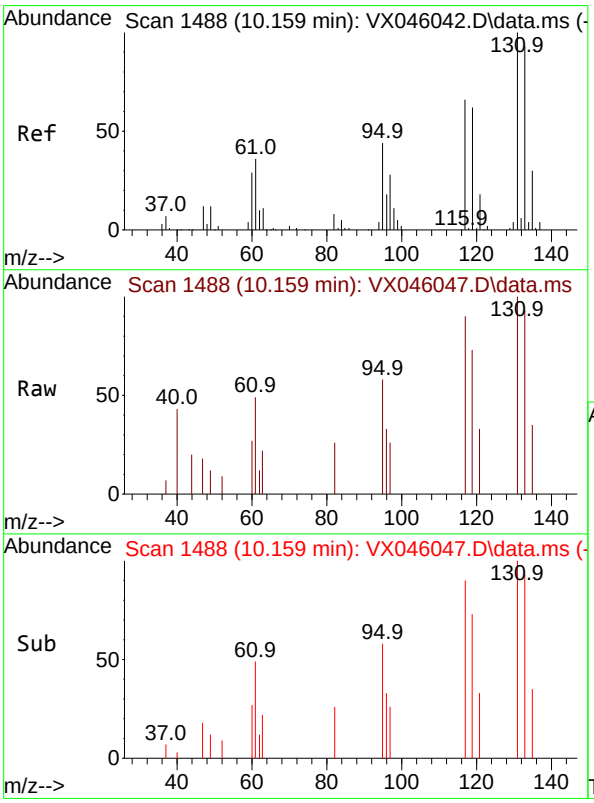
#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3170

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.4	38.2

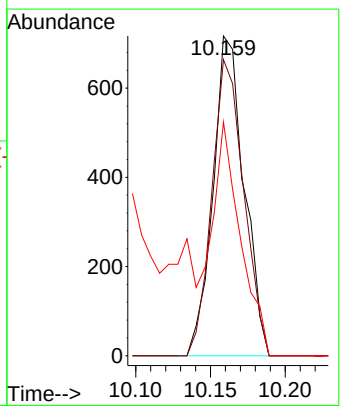


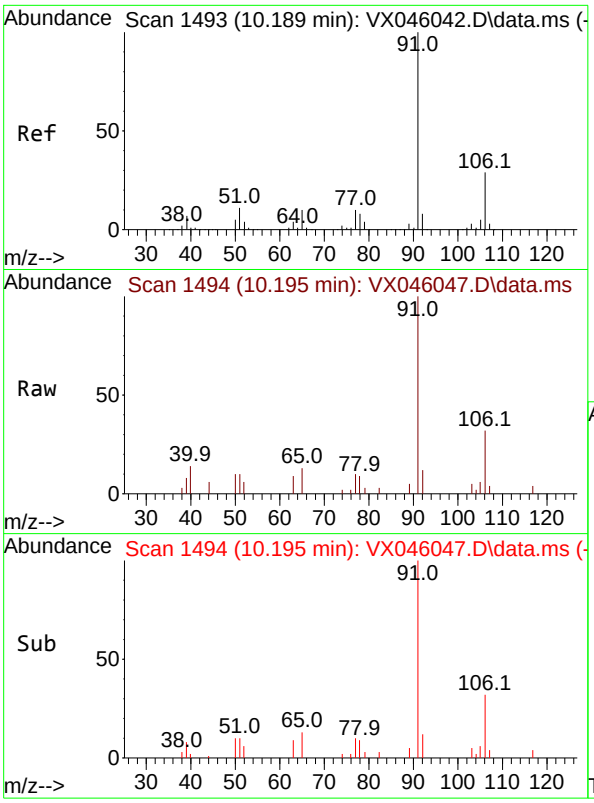


#66
1,1,1,2-Tetrachloroethane
Concen: 0.720 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



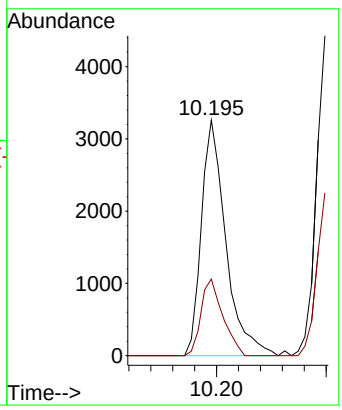


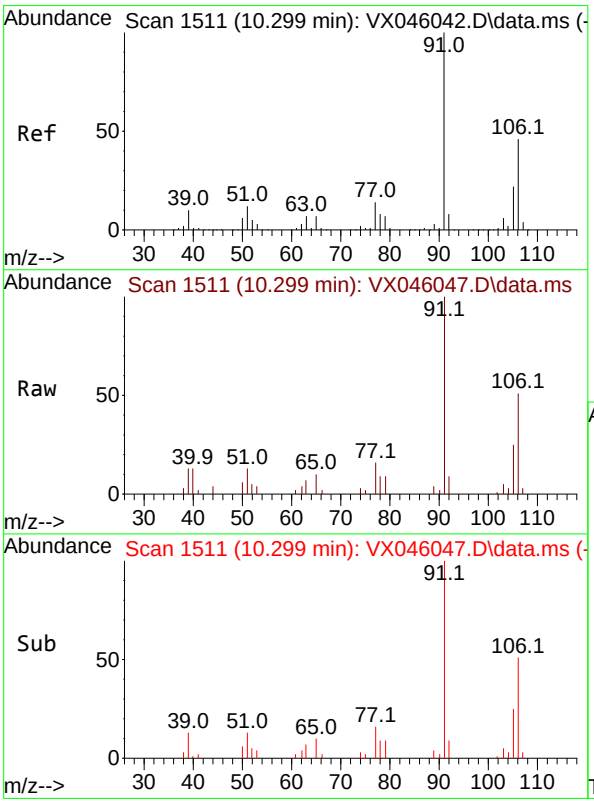
#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5052

Ion	Ratio	Lower	Upper
91	100		
106	32.5	23.4	35.2

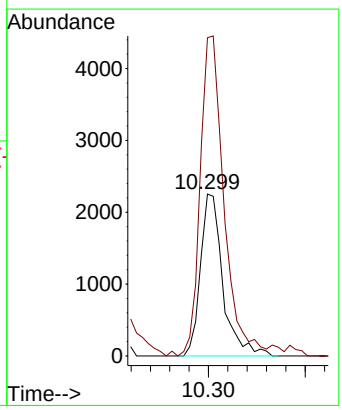


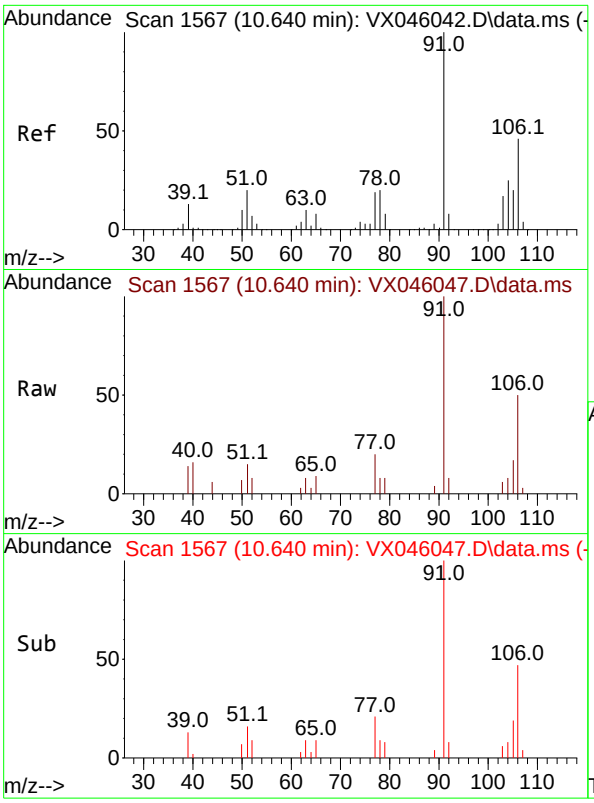


#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 3630

Ion	Ratio	Lower	Upper
106	100		
91	209.8	171.2	256.8



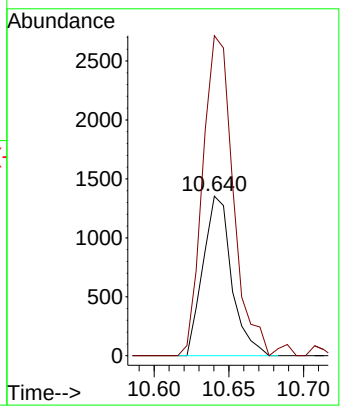


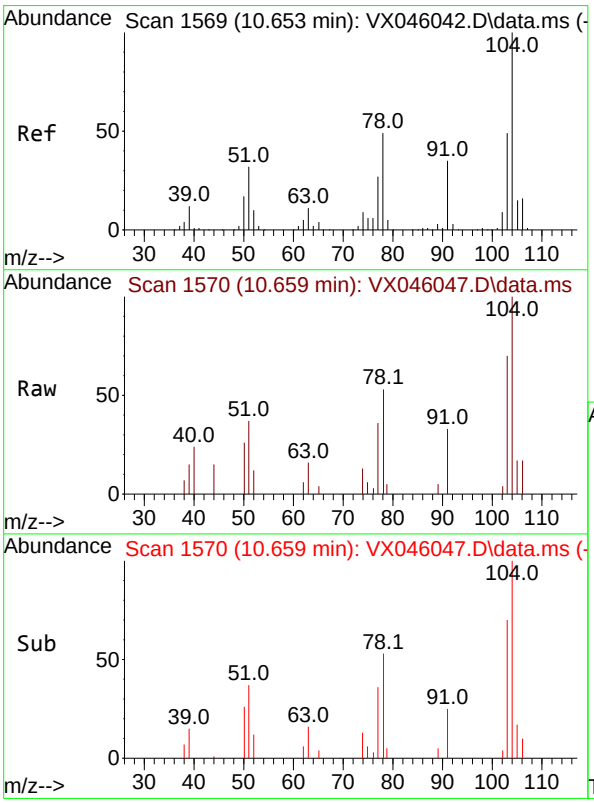
#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1799

Ion	Ratio	Lower	Upper
106	100		
91	214.9	112.7	338.1

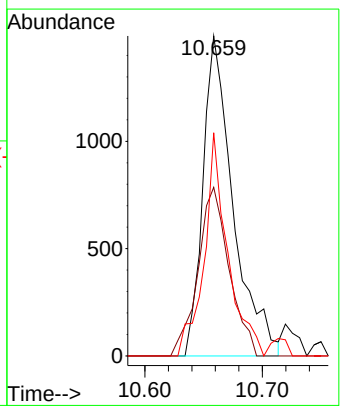


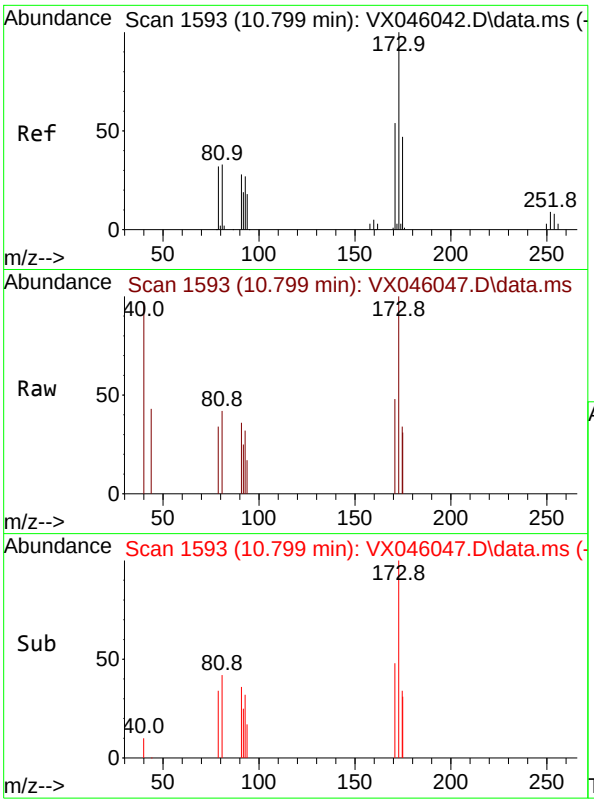


#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



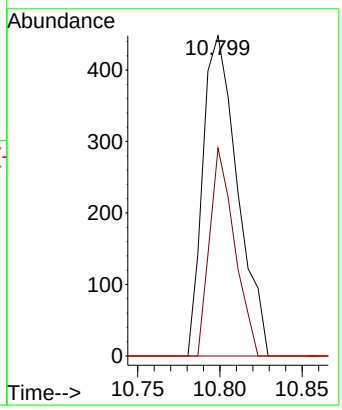


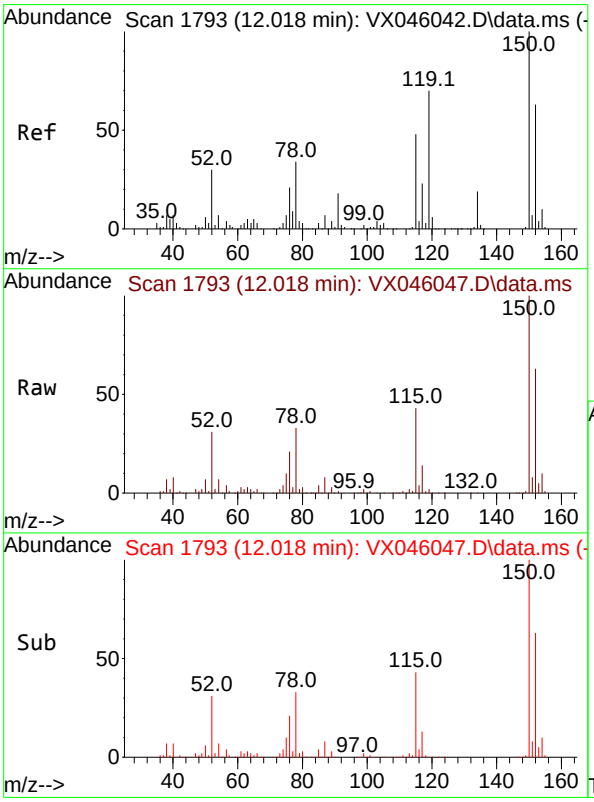
#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

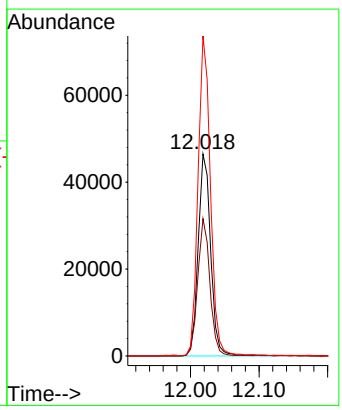


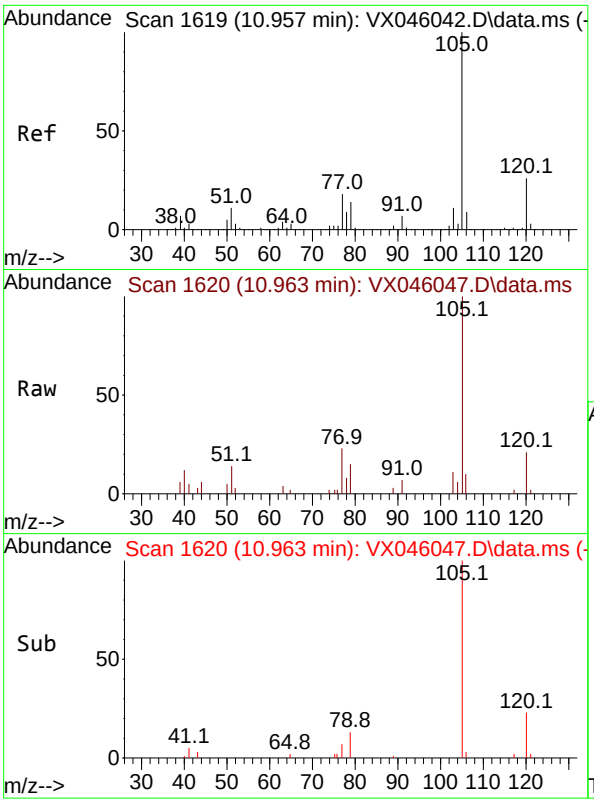


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



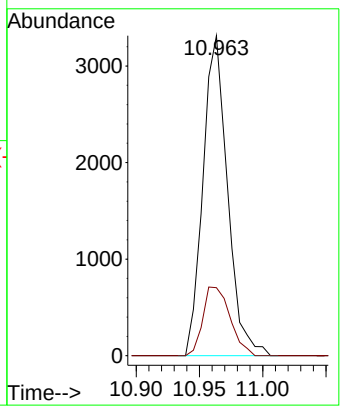


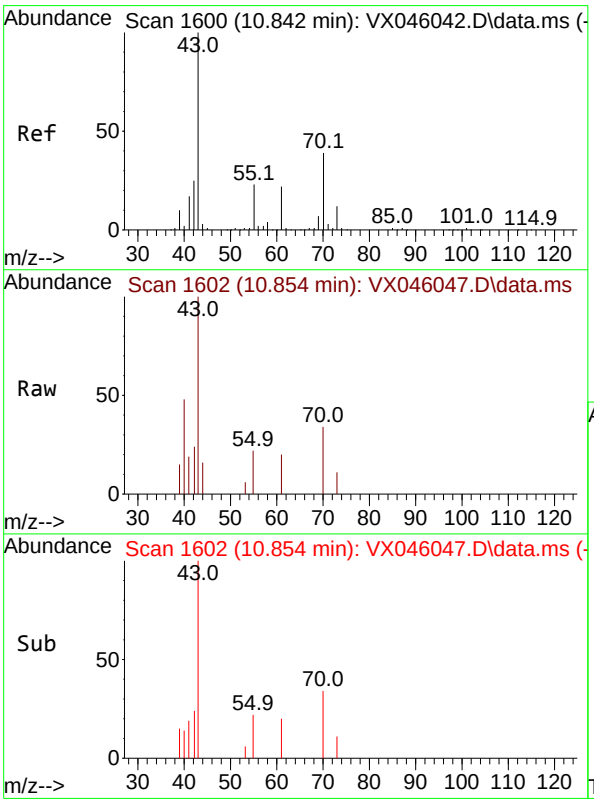
#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4480

Ion	Ratio	Lower	Upper
105	100		
120	23.7	12.8	38.4

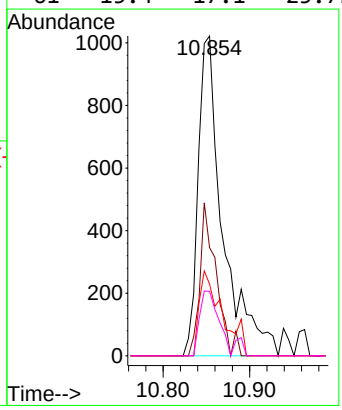


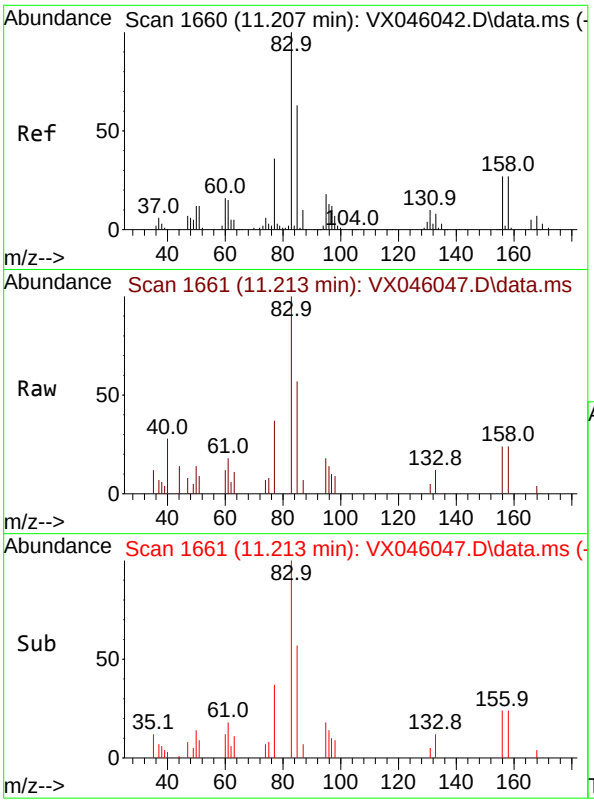


#74
N-amyl acetate
Concen: 0.631 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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#



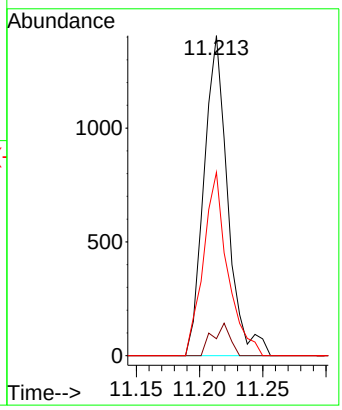


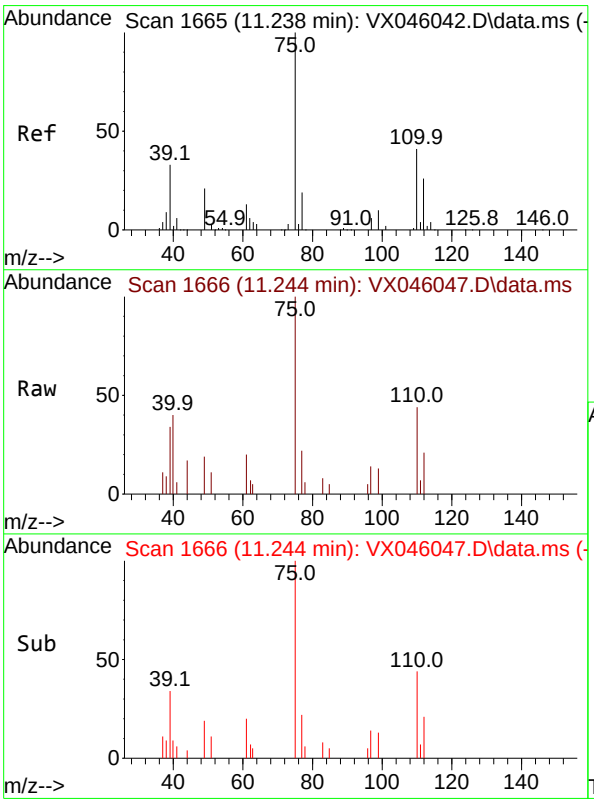
#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

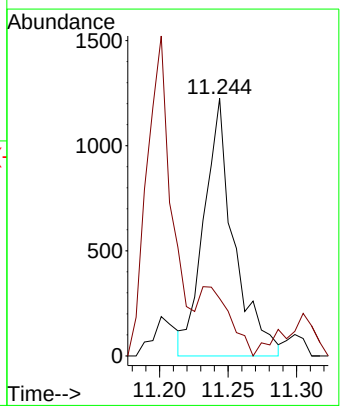


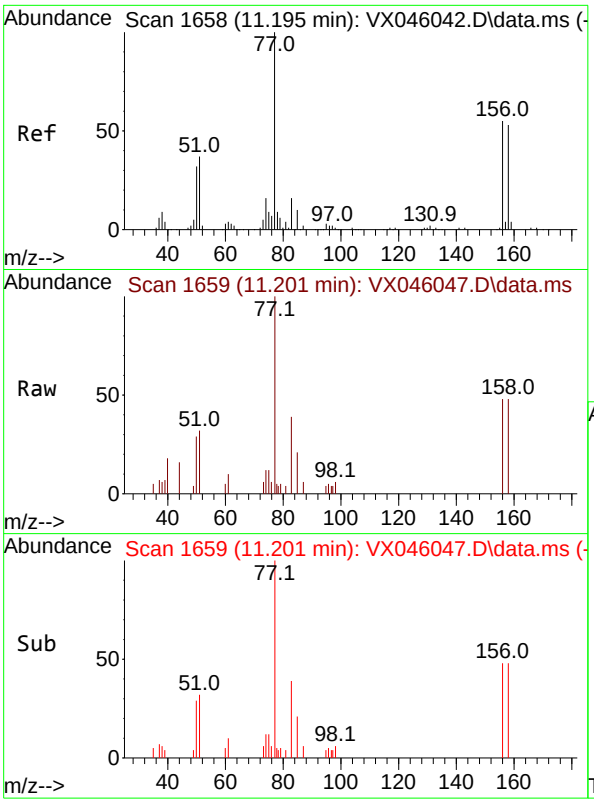


#76
1,2,3-Trichloropropane
Concen: 0.754 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1858

Ion	Ratio	Lower	Upper
75	100		
77	26.5	20.5	61.5



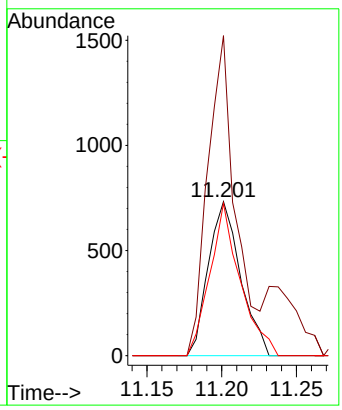


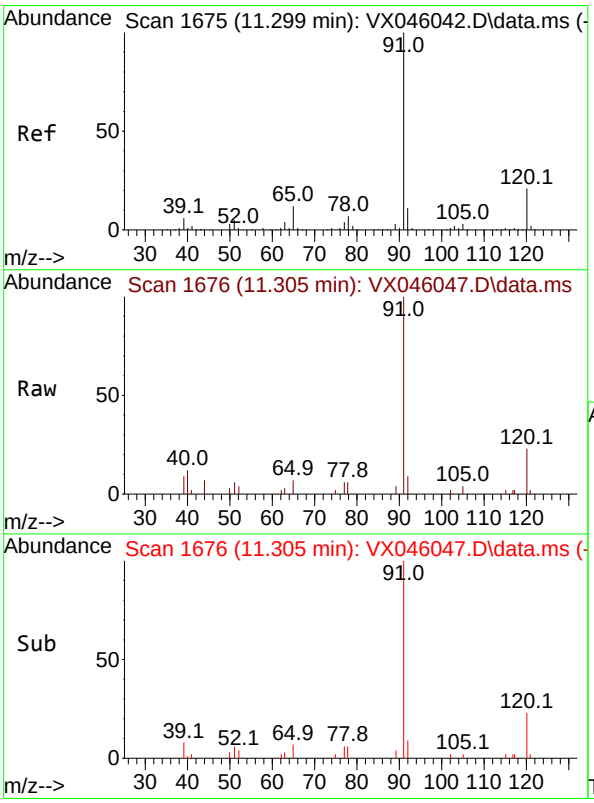
#77
Bromobenzene
Concen: 0.734 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

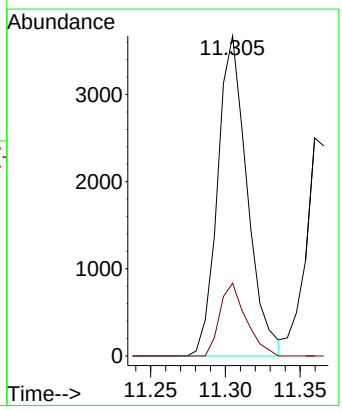


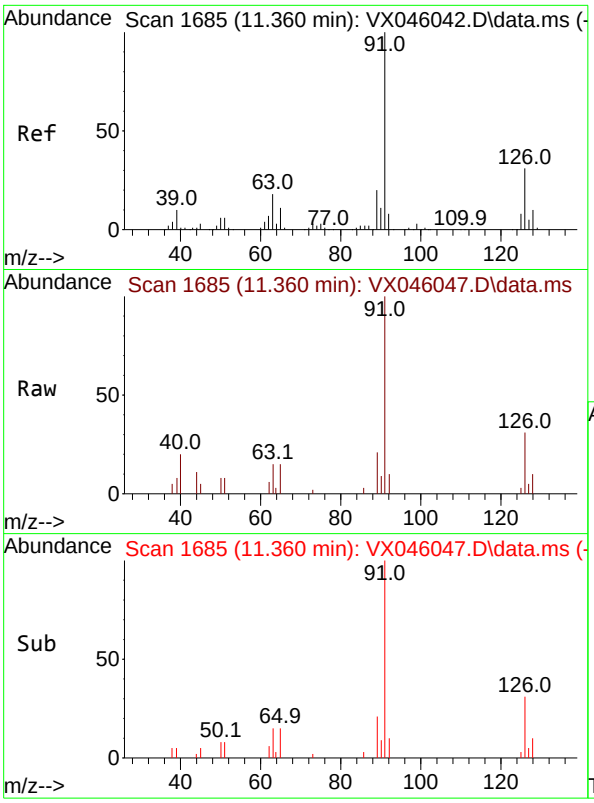


#78
n-propylbenzene
Concen: 0.699 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 5052

Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.8	32.4



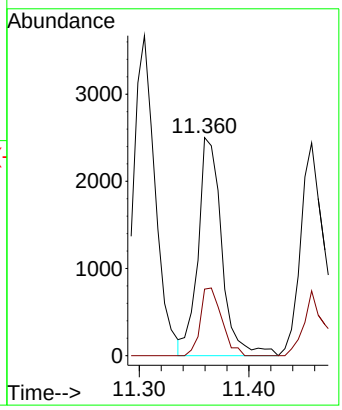


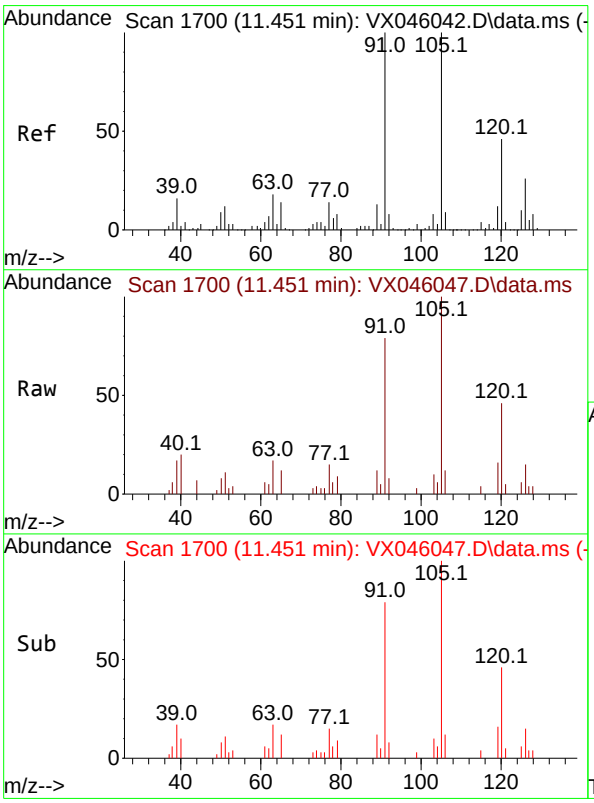
#79
2-Chlorotoluene
Concen: 0.773 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3765

Ion	Ratio	Lower	Upper
91	100		
126	28.0	15.6	46.7

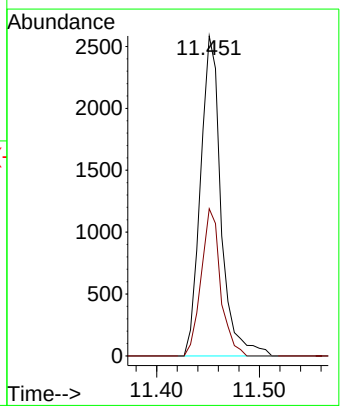


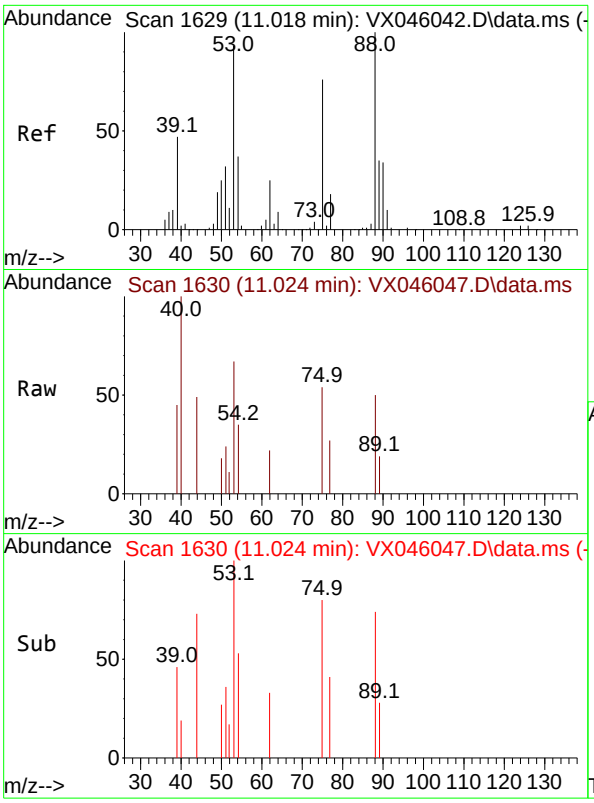


#80
1,3,5-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3590

Ion	Ratio	Lower	Upper
105	100		
120	43.4	23.1	69.2



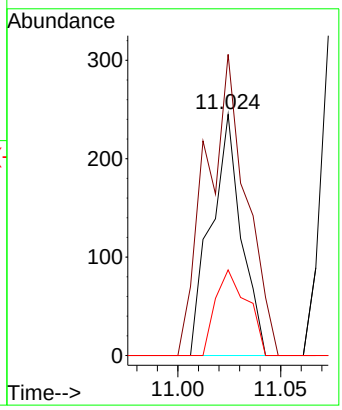


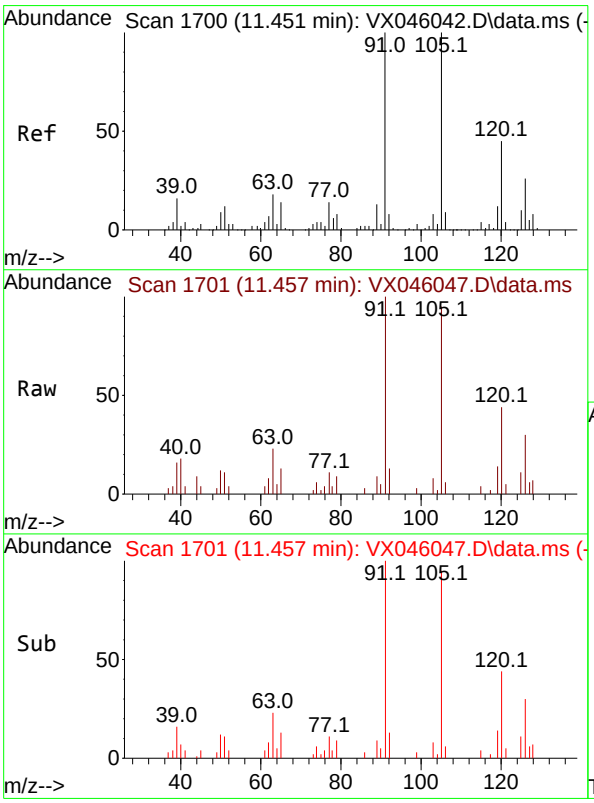
#81
trans-1,4-Dichloro-2-butene
Concen: 0.425 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

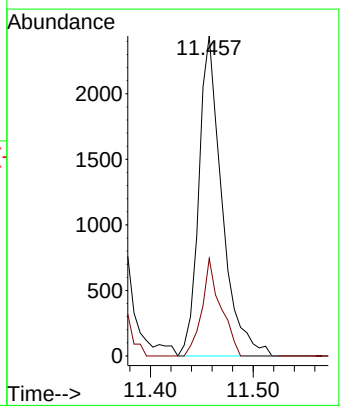


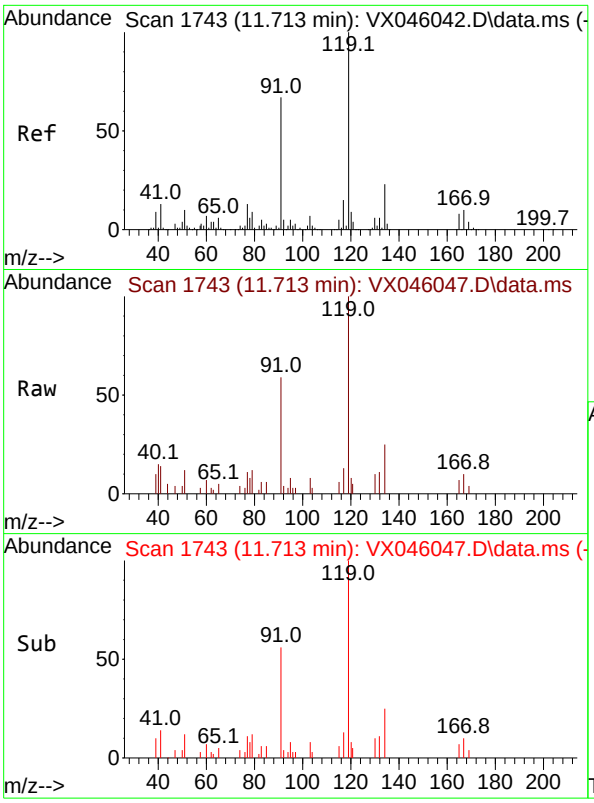


#82
4-Chlorotoluene
Concen: 0.713 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3815

Ion	Ratio	Lower	Upper
91	100		
126	24.8	13.3	39.8



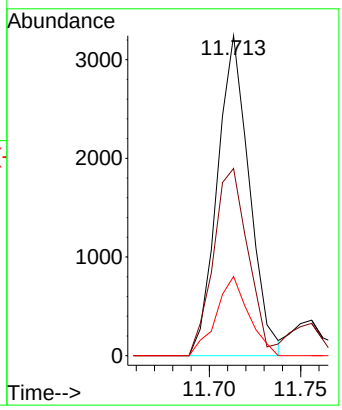


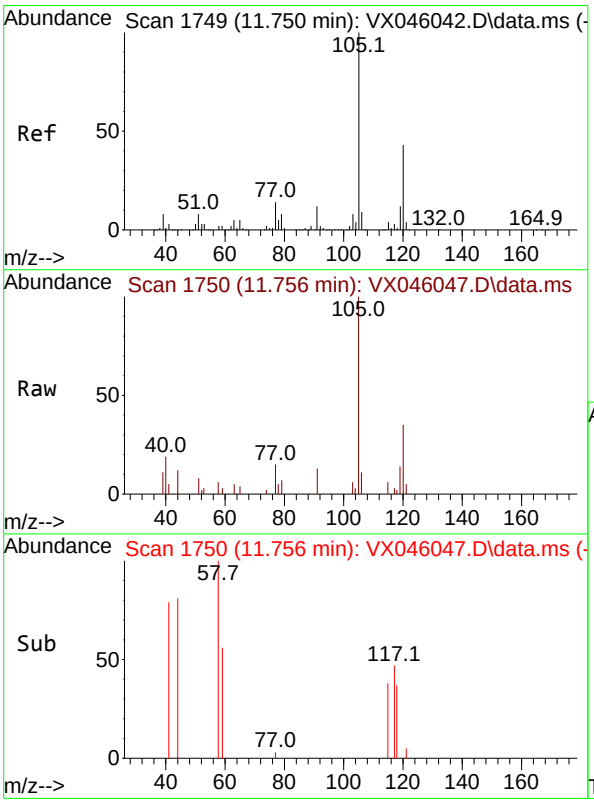
#83
tert-Butylbenzene
Concen: 0.751 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

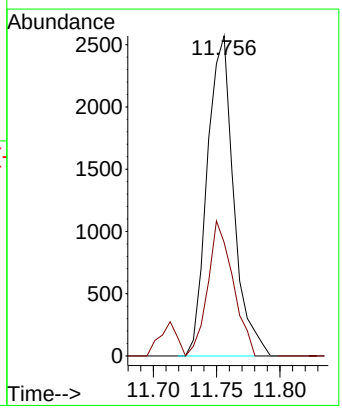


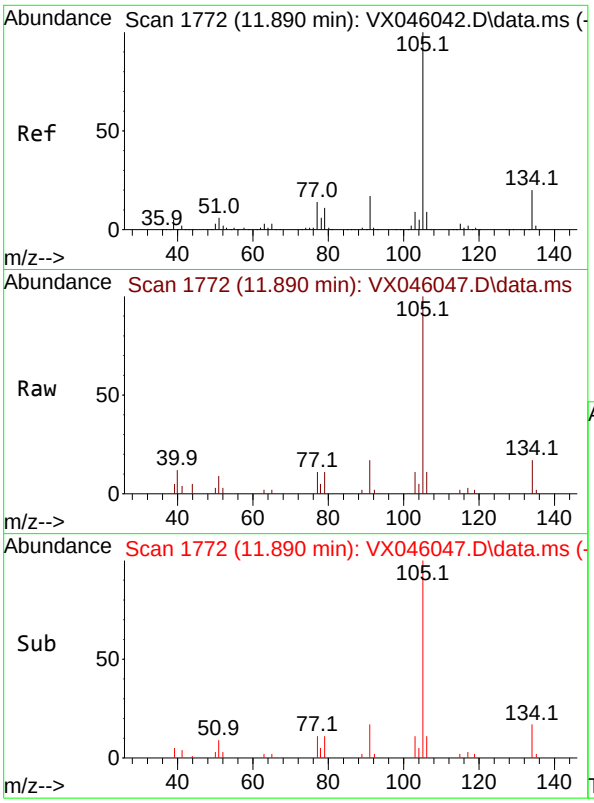


#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3725

Ion	Ratio	Lower	Upper
105	100		
120	40.3	21.2	63.6



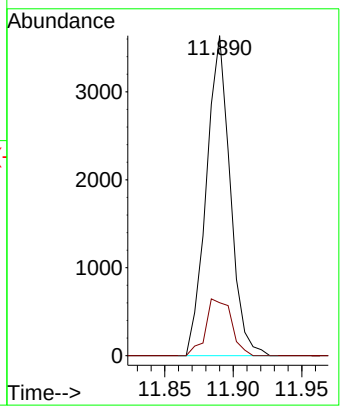


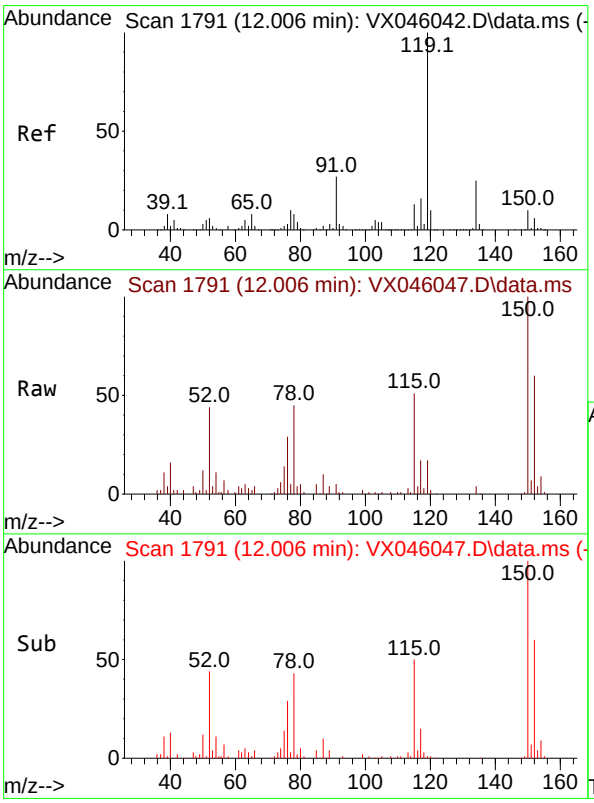
#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4385

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

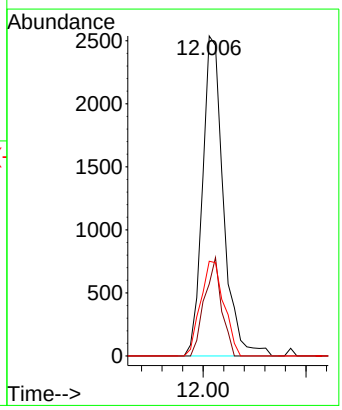


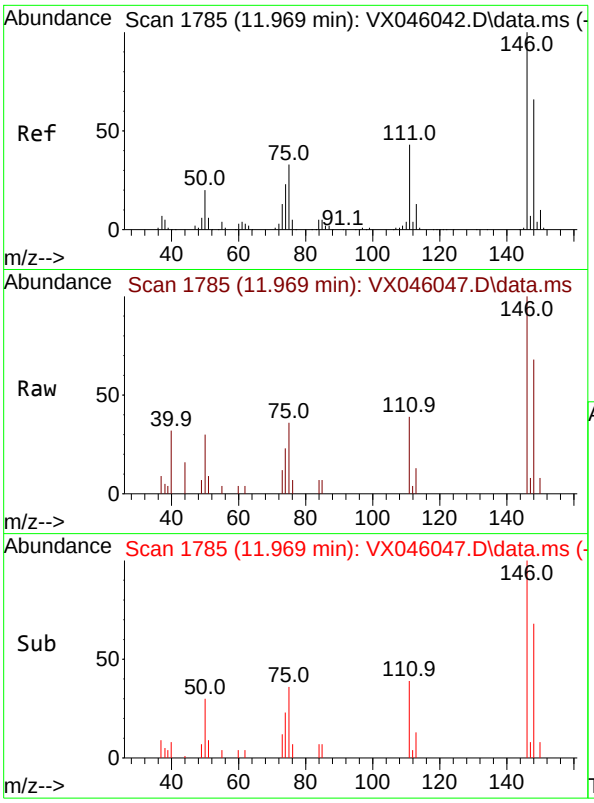


#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



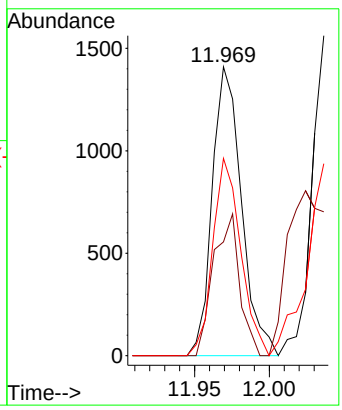


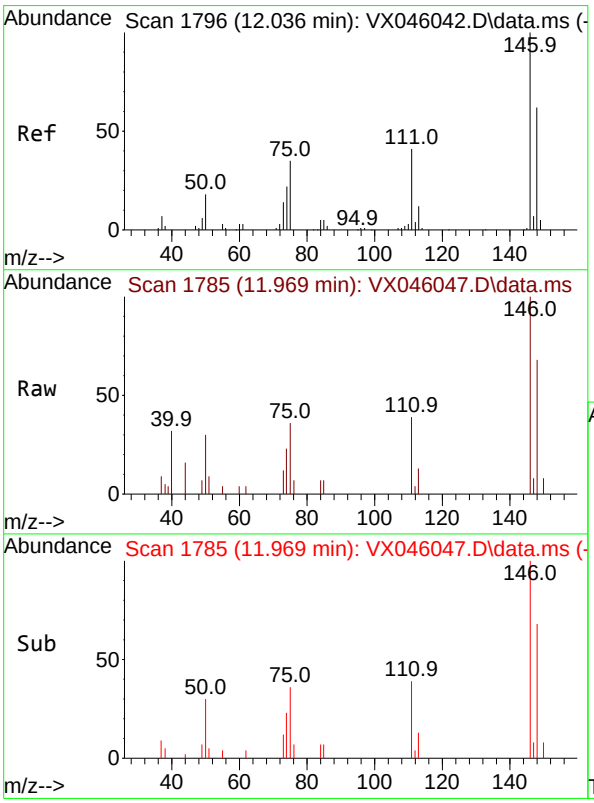
#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

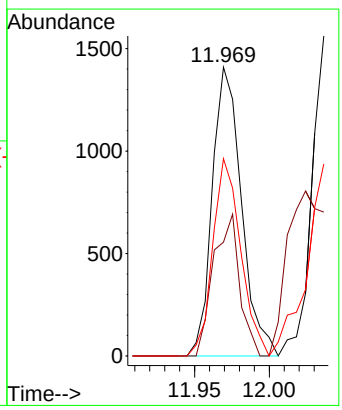


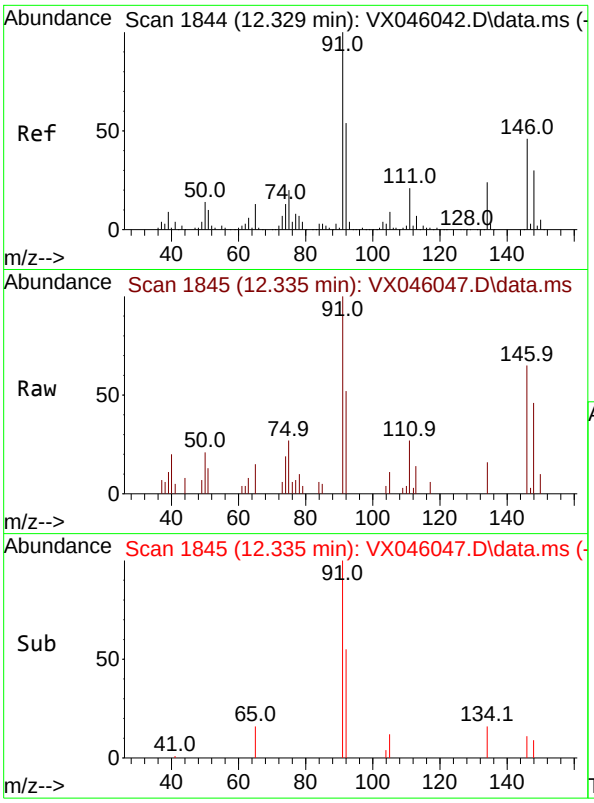


#88
1,4-Dichlorobenzene
Concen: 0.703 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



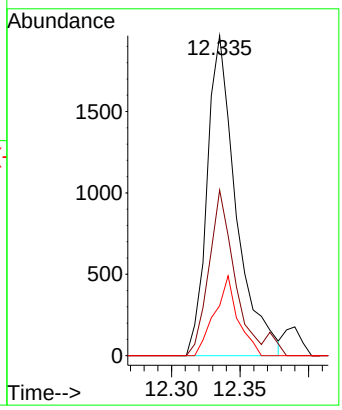


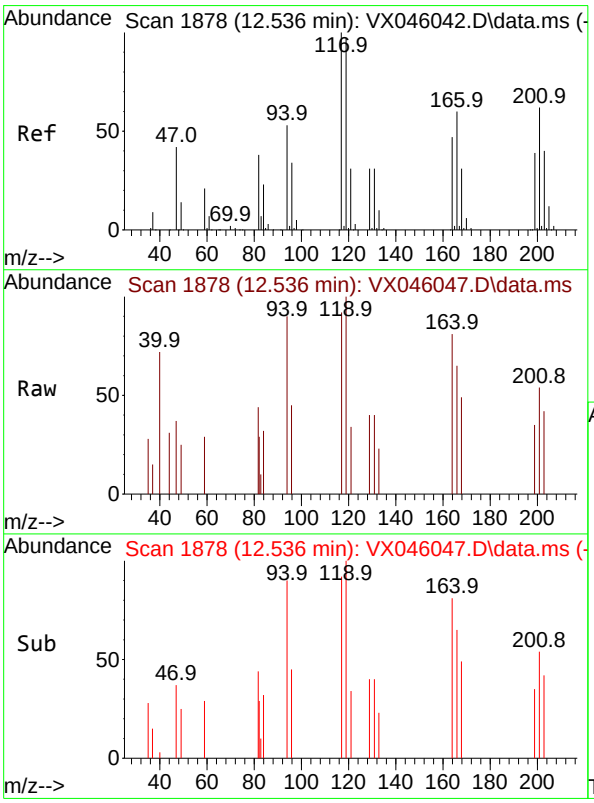
#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

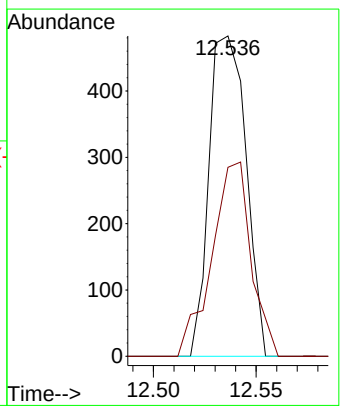


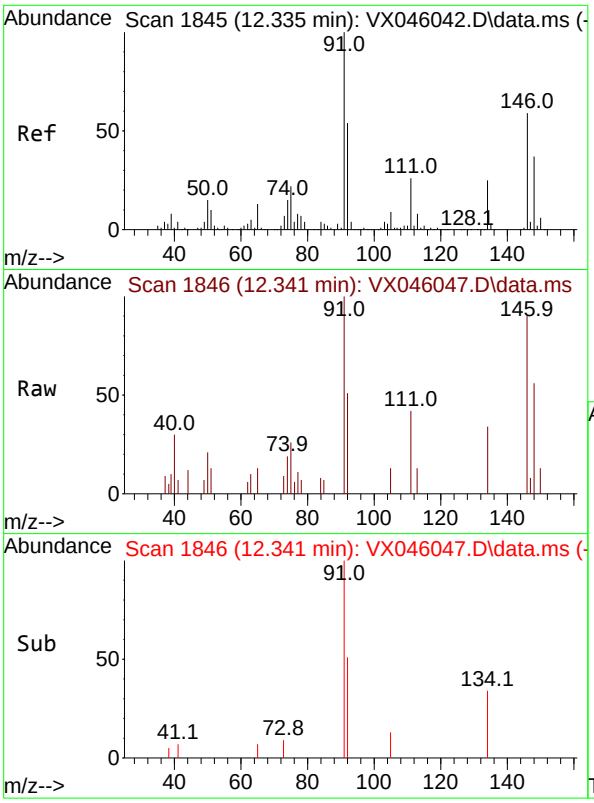


#90
Hexachloroethane
Concen: 0.616 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 604

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.6	94.7



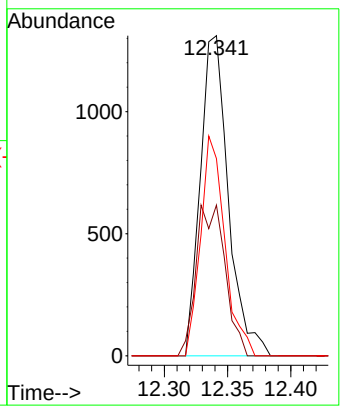


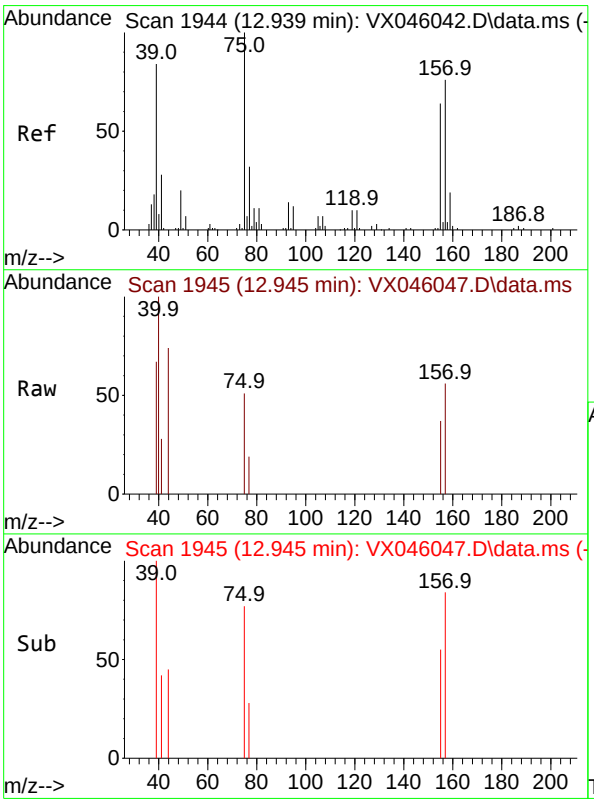
#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

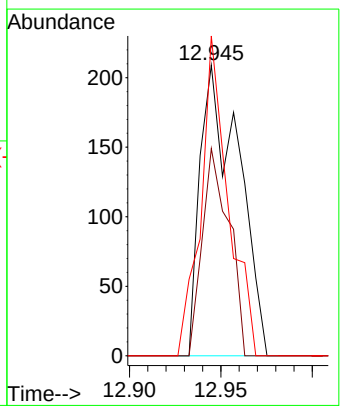


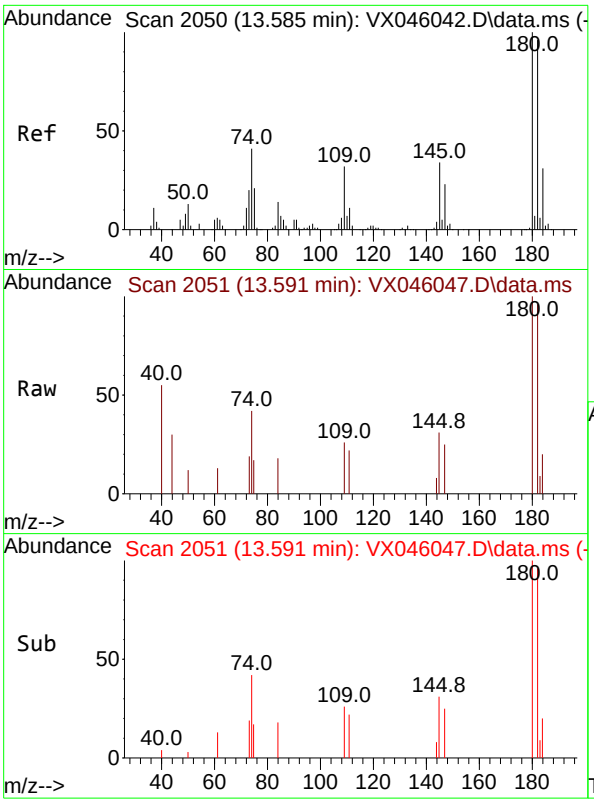


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



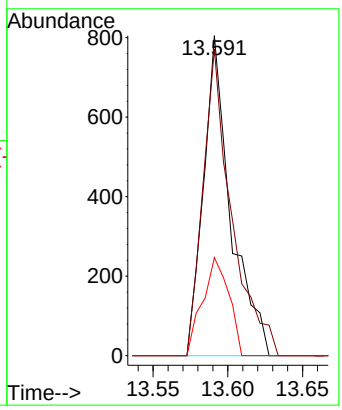


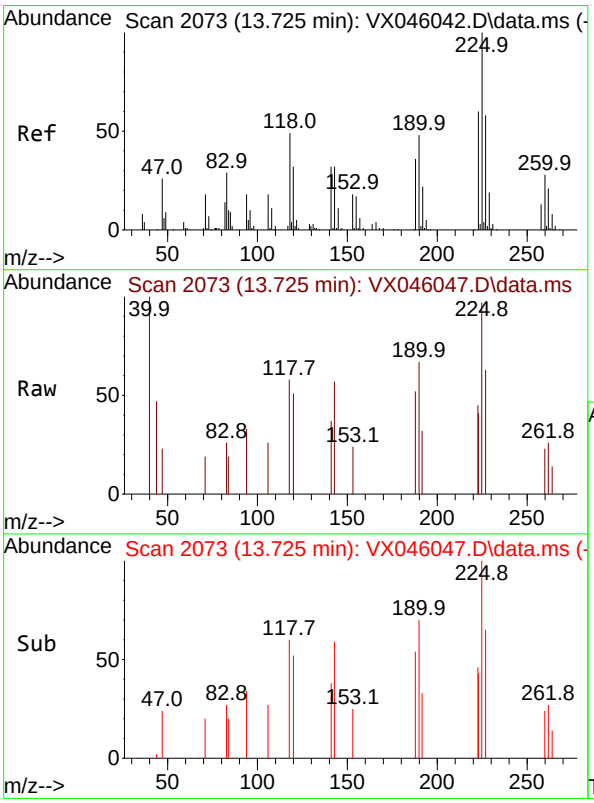
#93
1,2,4-Trichlorobenzene
Concen: 0.688 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

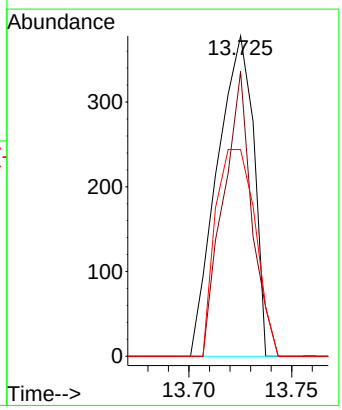


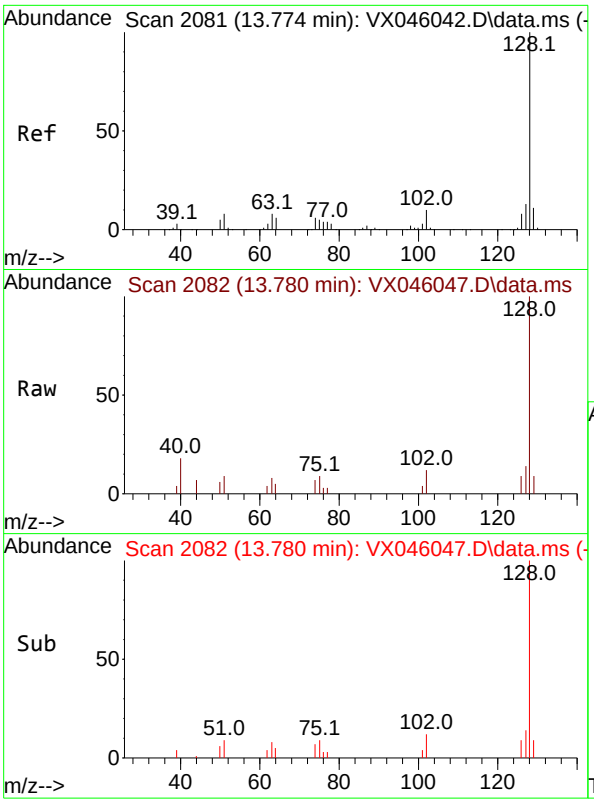


#94
Hexachlorobutadiene
Concen: 0.671 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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



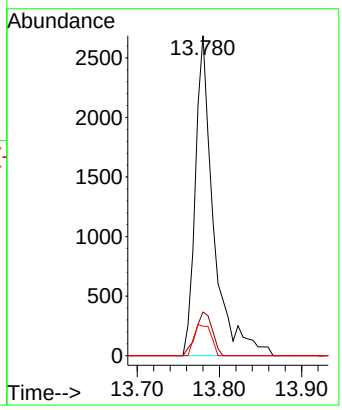


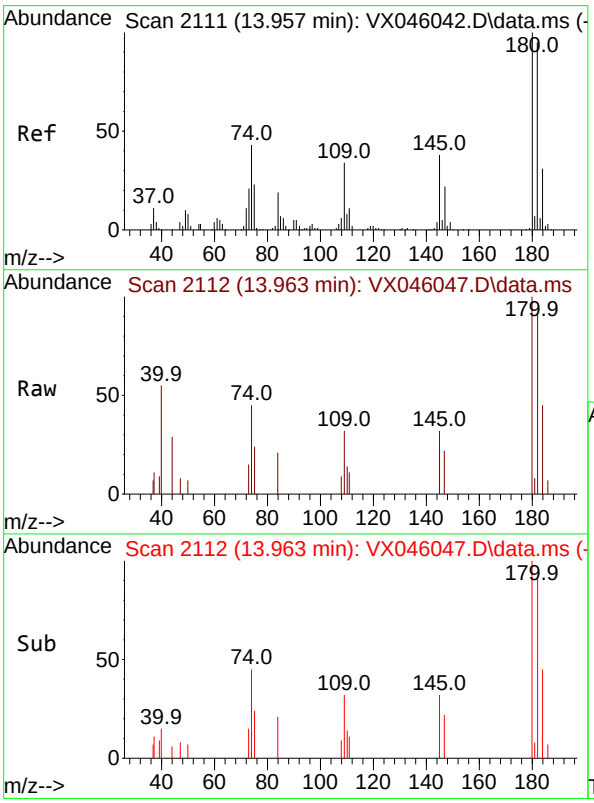
#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

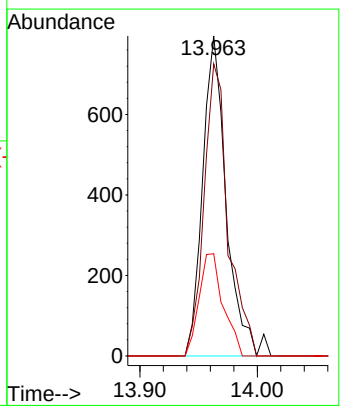




#96
1,2,3-Trichlorobenzene
Concen: 0.716 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

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

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

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)

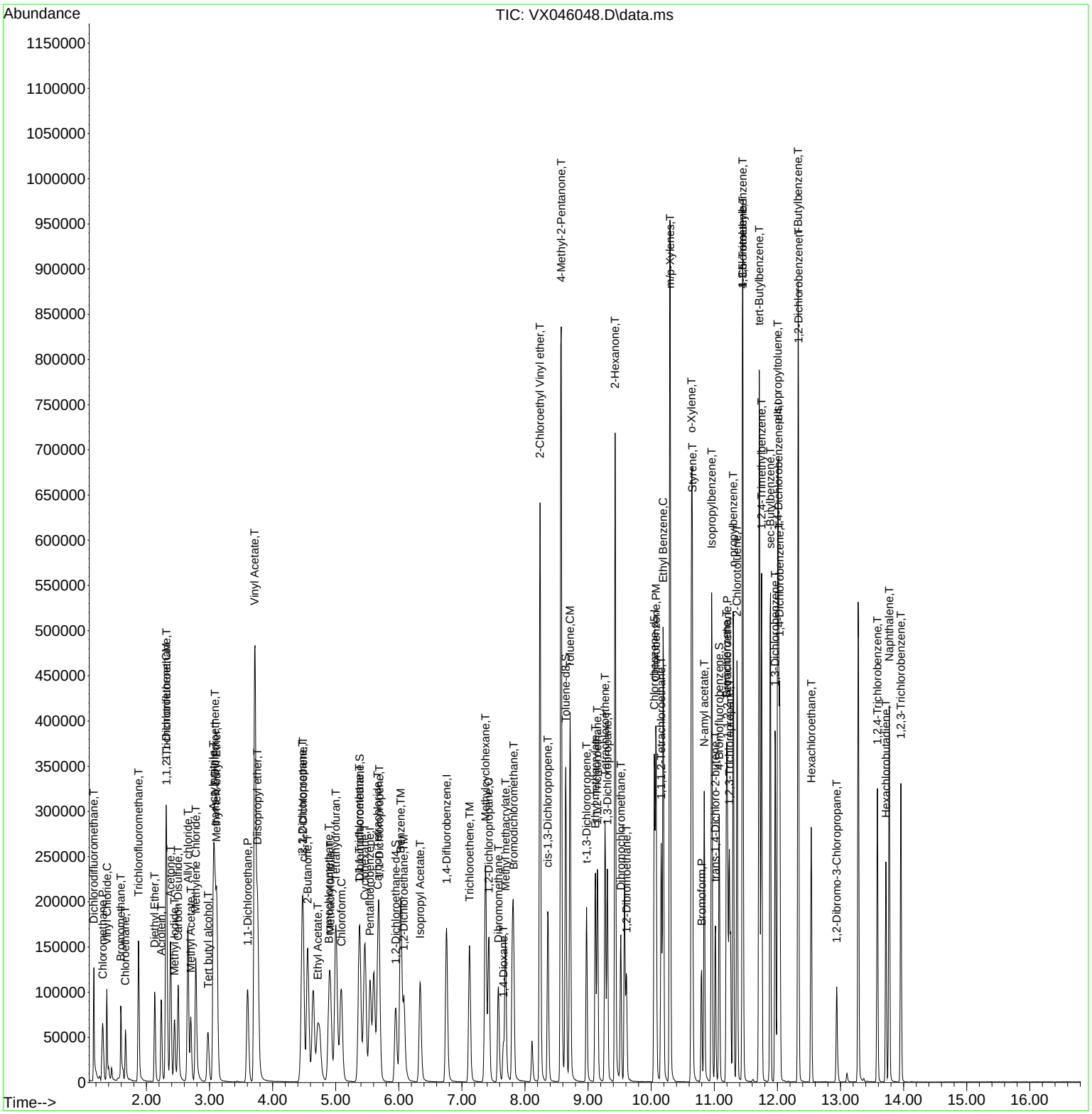
(#) = qualifier out of range (m) = manual integration (+) = signals summed

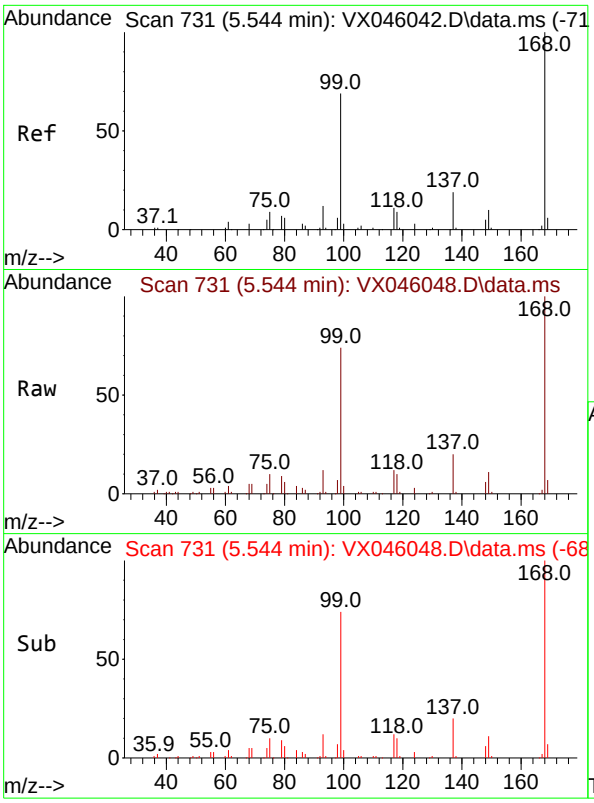
Quantitation Report (Not Reviewed)

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



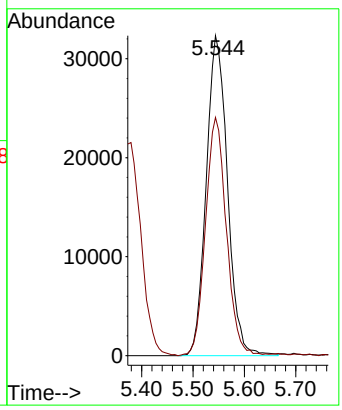


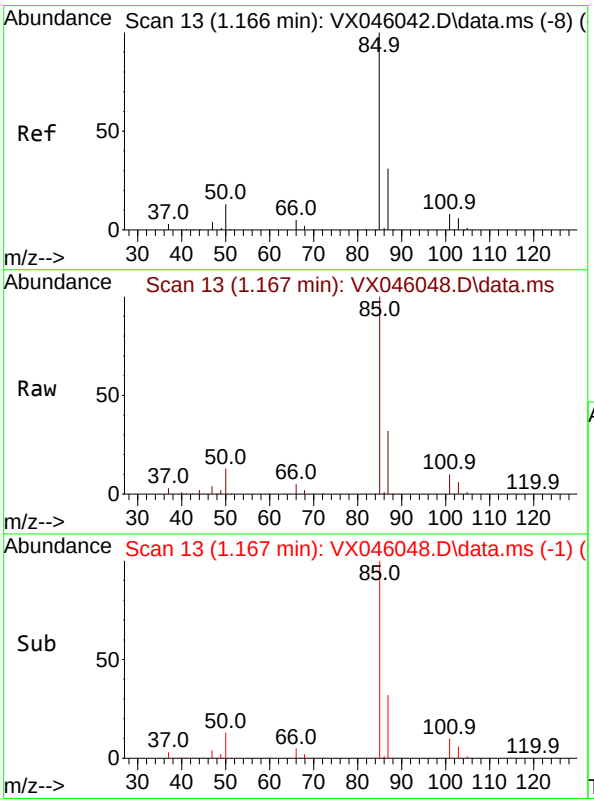
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:168 Resp: 92588

Ion	Ratio	Lower	Upper
168	100		
99	74.5	54.9	82.3

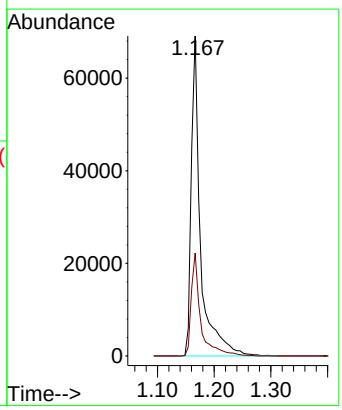


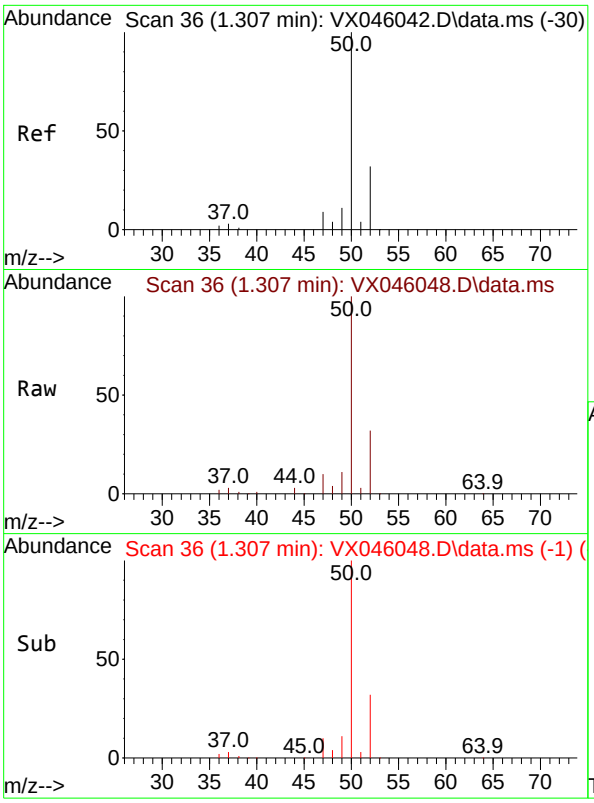


#2
Dichlorodifluoromethane
Concen: 55.594 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 85 Resp: 78783

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1



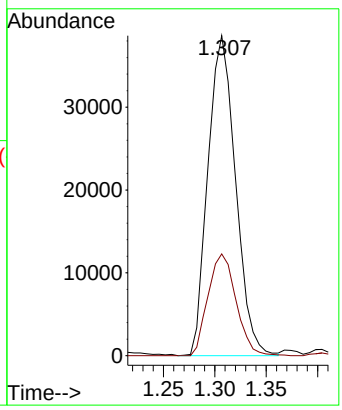


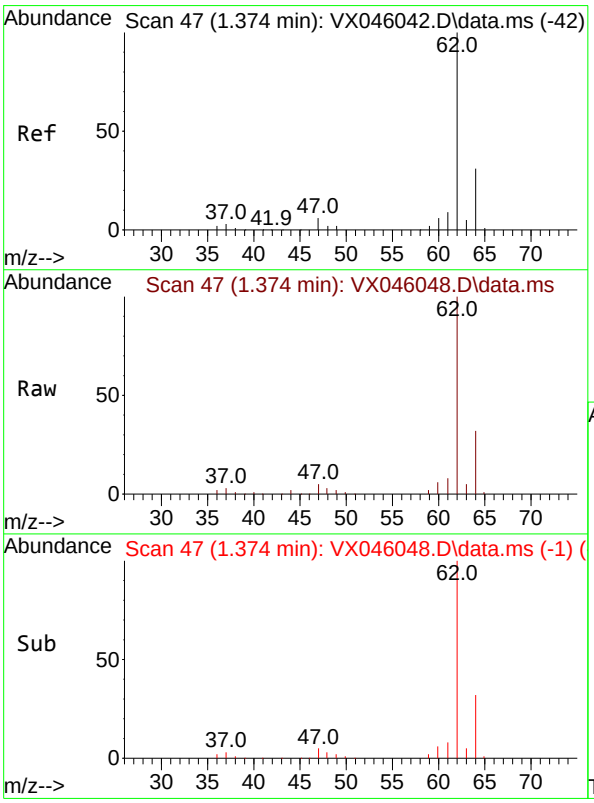
#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 50 Resp: 72275

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

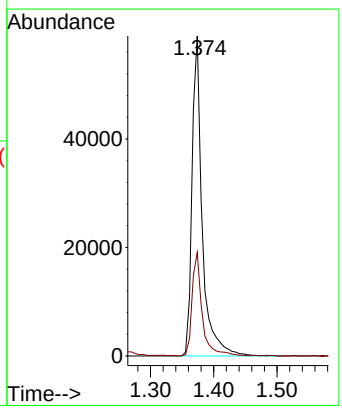


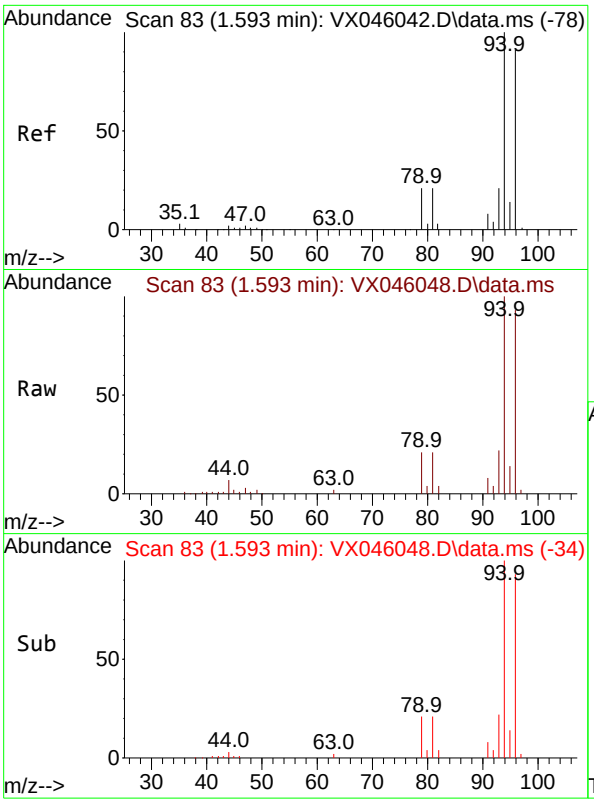


#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 65994

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8



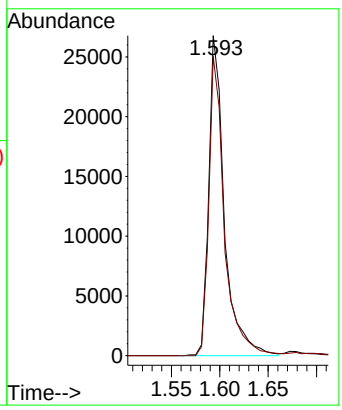


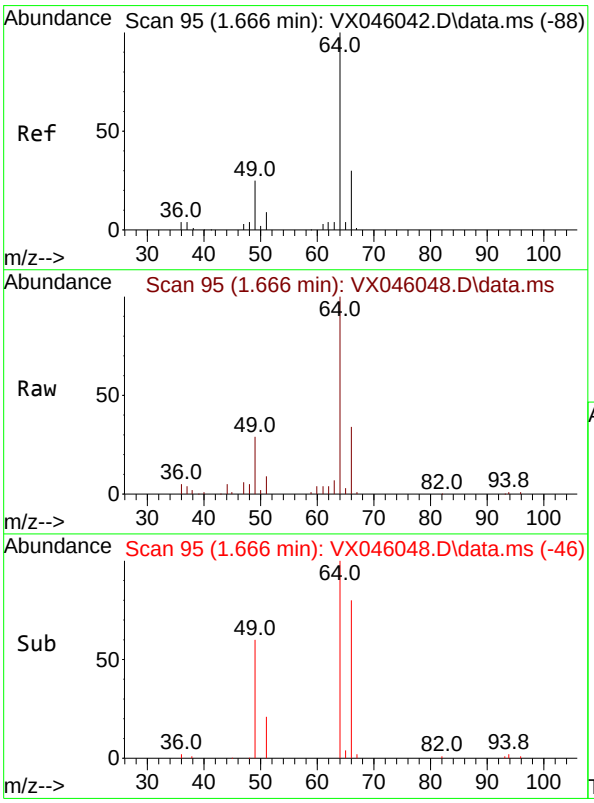
#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 94 Resp: 30033

Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2

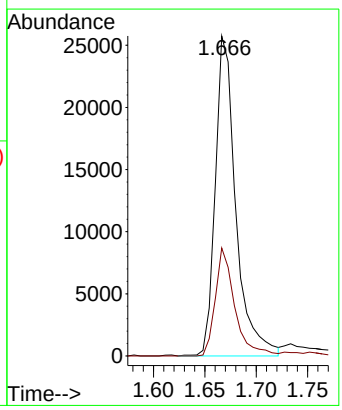


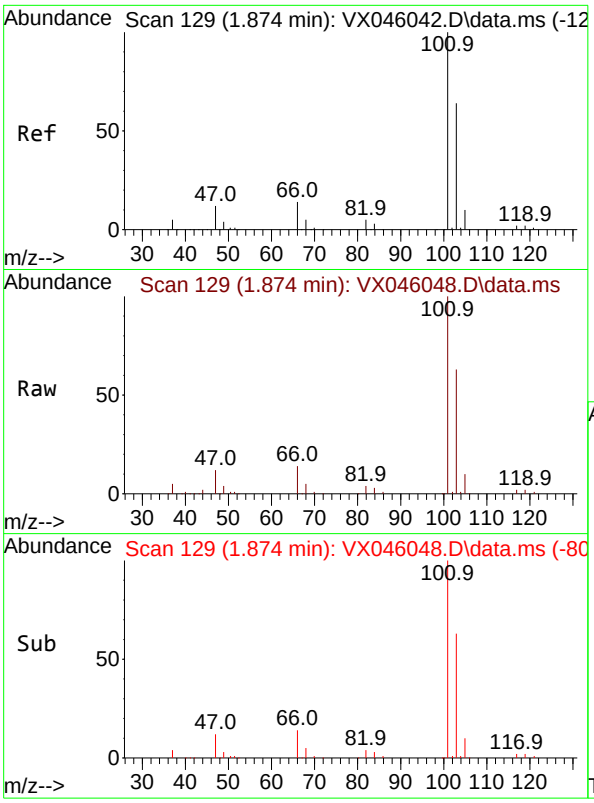


#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 64 Resp: 35690

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5



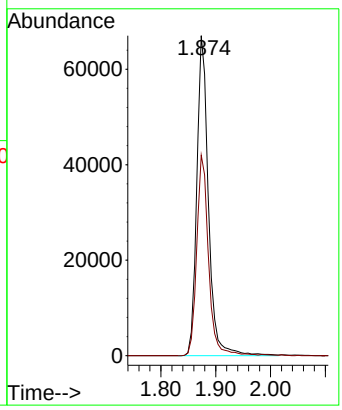


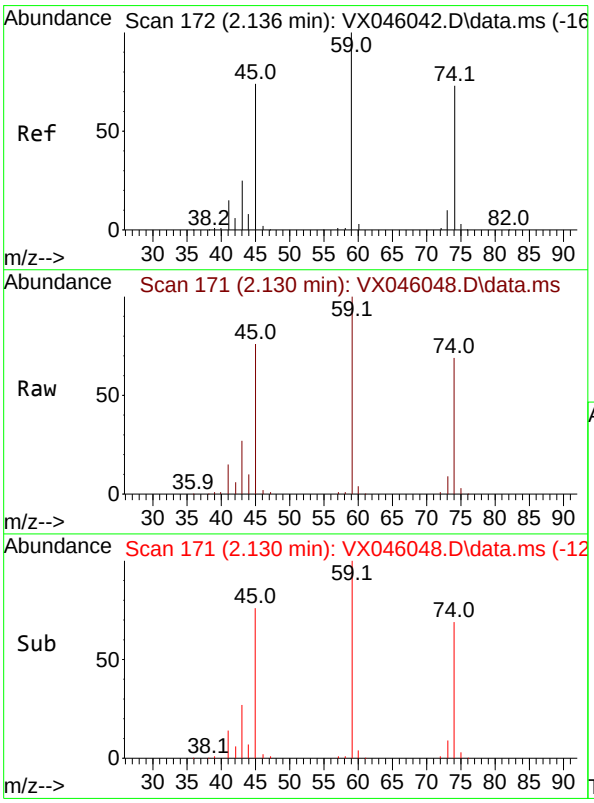
#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:101 Resp: 99352

Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.4

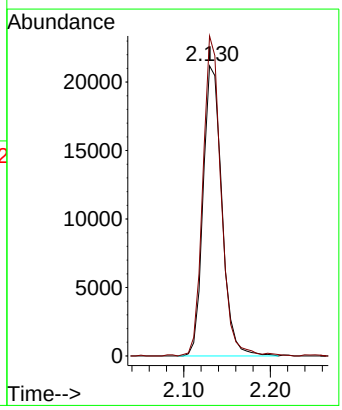


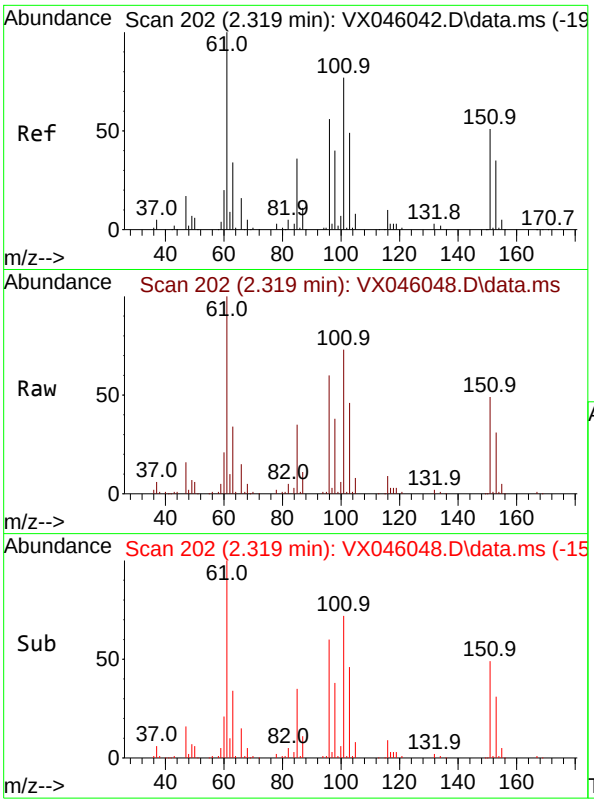


#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 74 Resp: 31875

Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.9	164.8



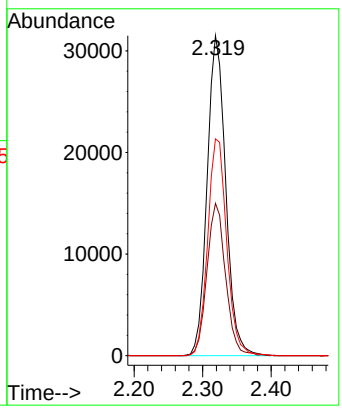


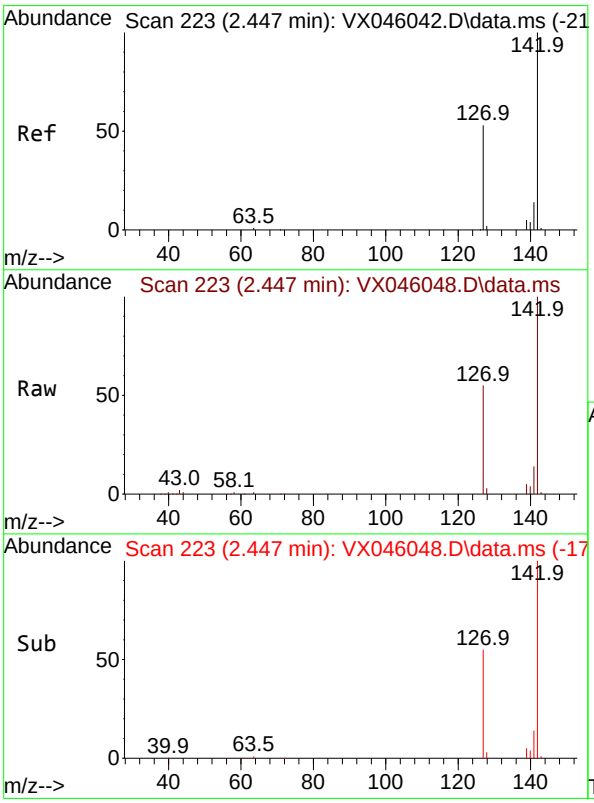
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.822 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

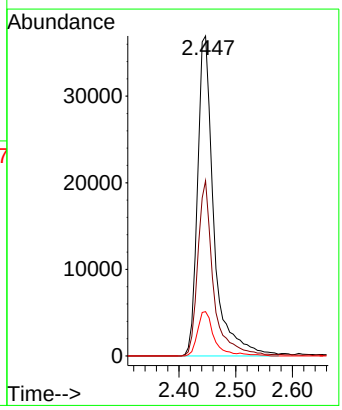


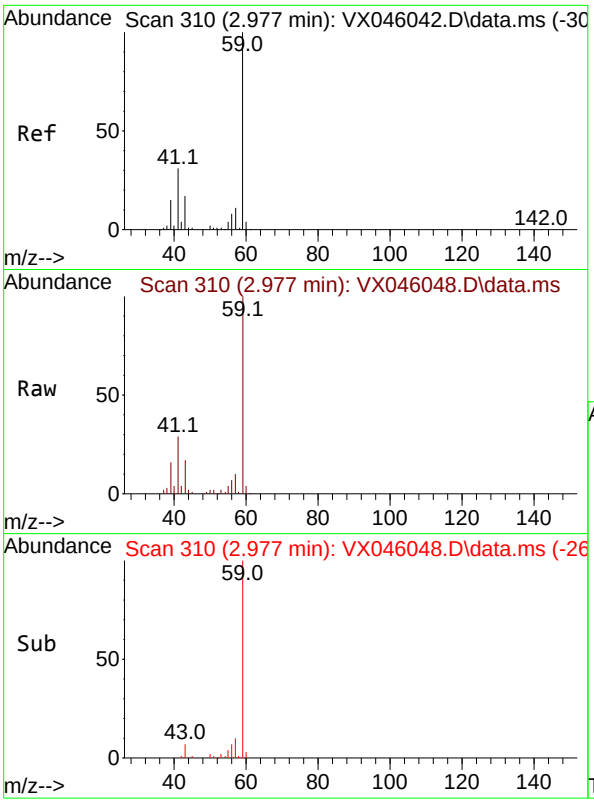


#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



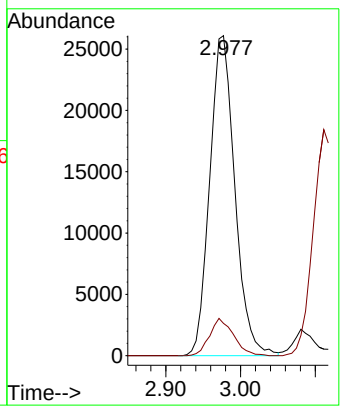


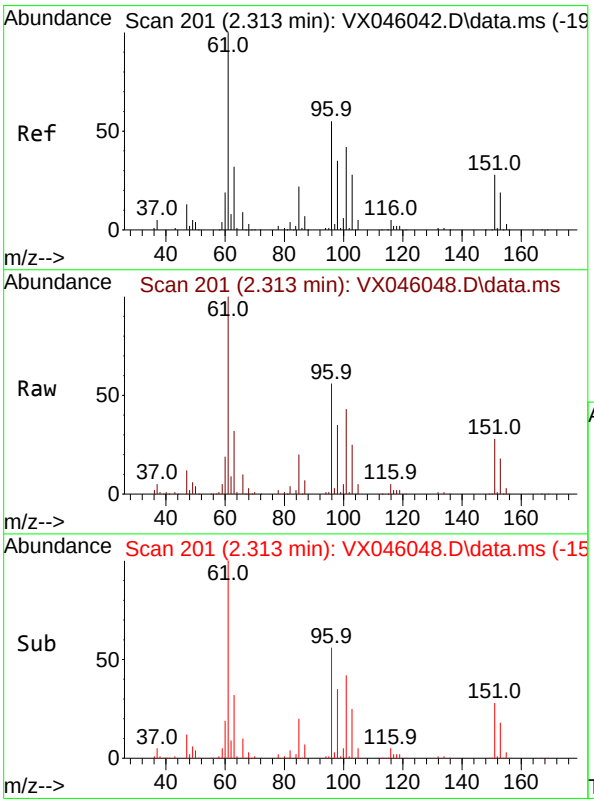
#11
Tert butyl alcohol
Concen: 252.025 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 59 Resp: 61065

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

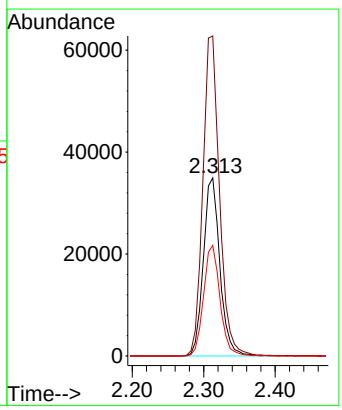


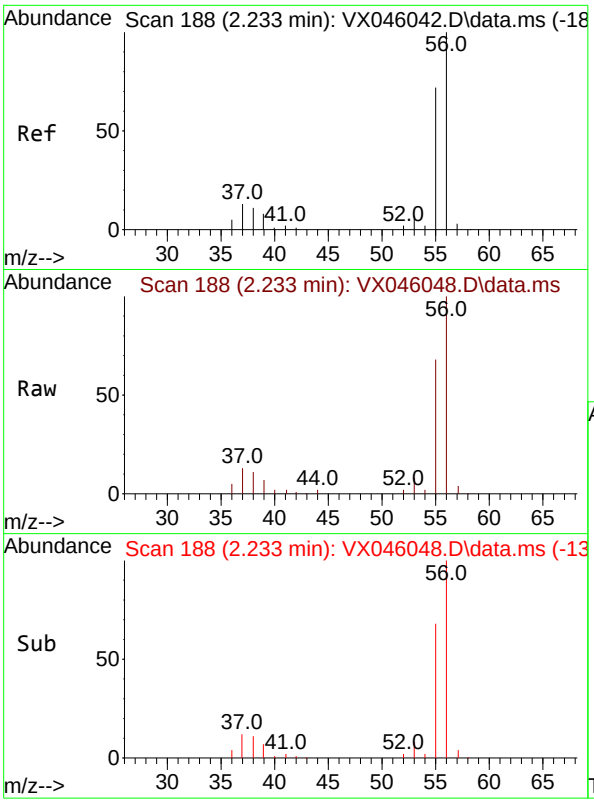


#12
1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



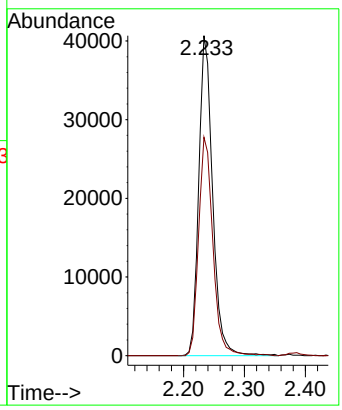


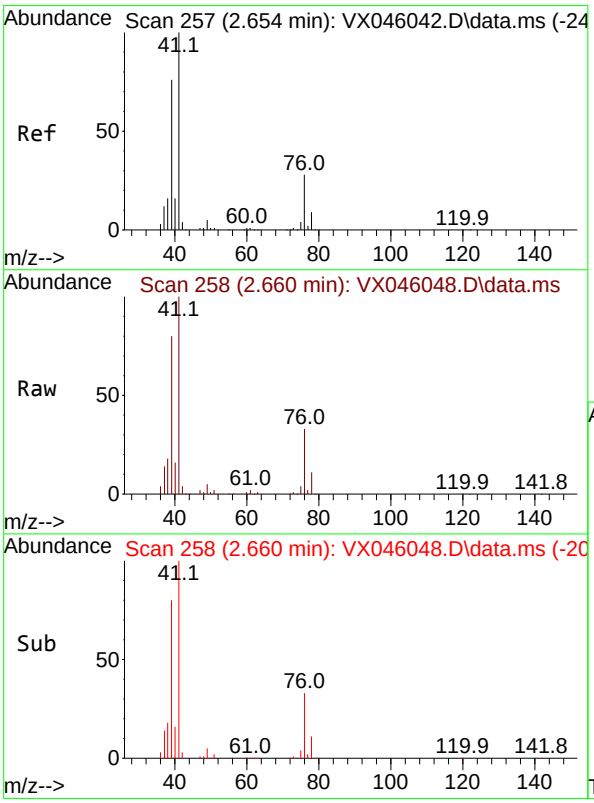
#13
Acrolein
Concen: 232.505 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 56 Resp: 64157

Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.2	84.4

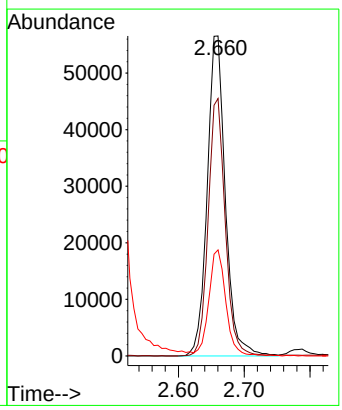


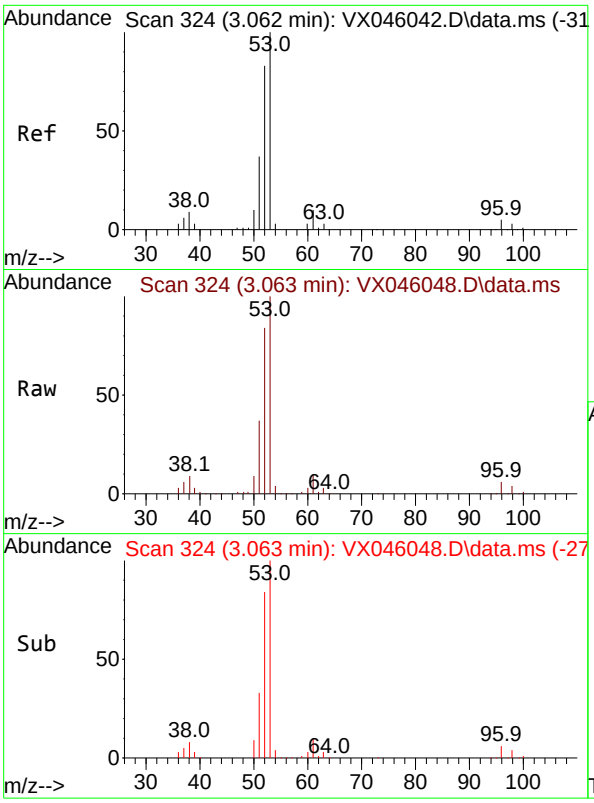


#14
Allyl chloride
Concen: 51.833 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



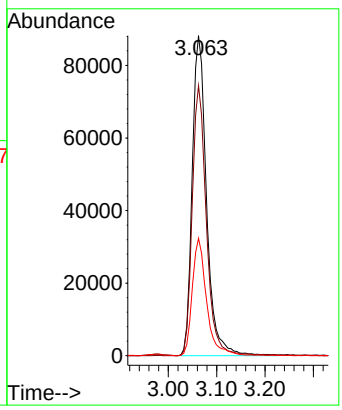


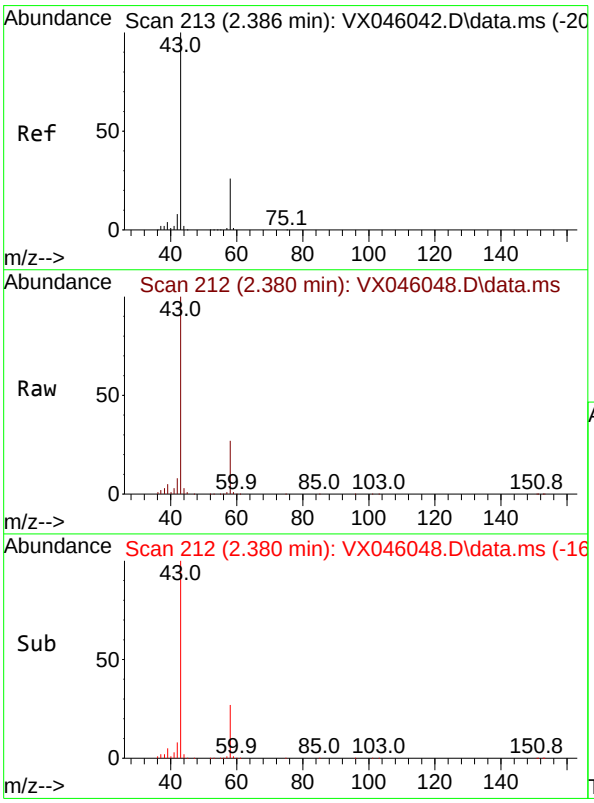
#15
Acrylonitrile
Concen: 262.412 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

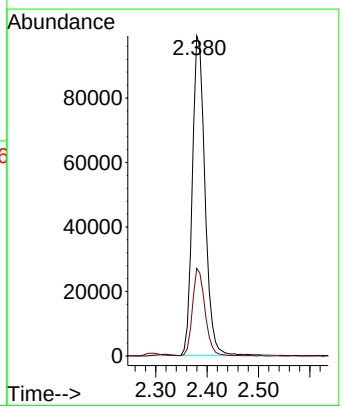


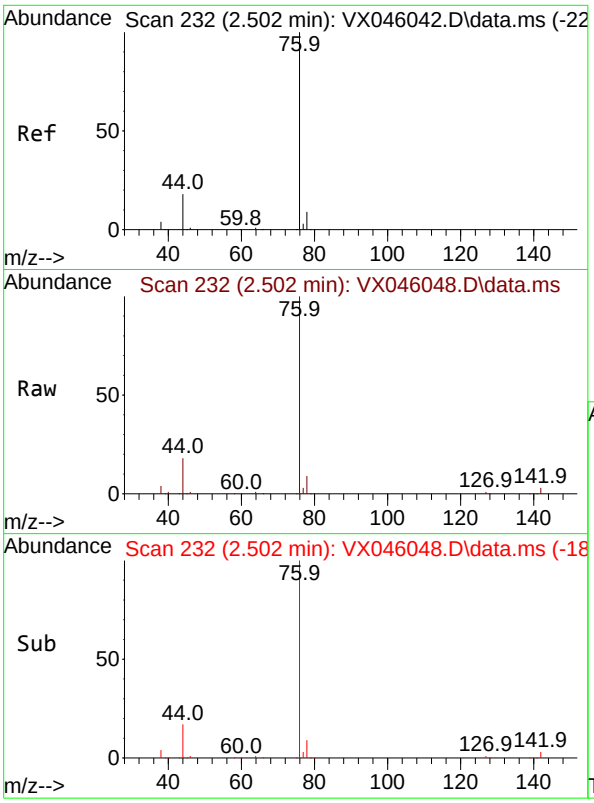


#16
Acetone
Concen: 245.518 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 169923

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8



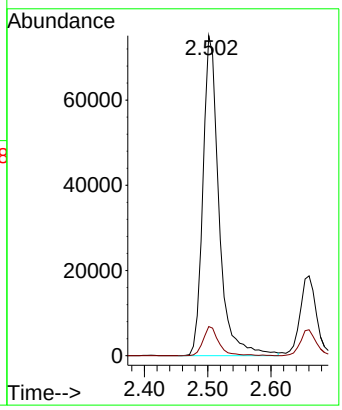


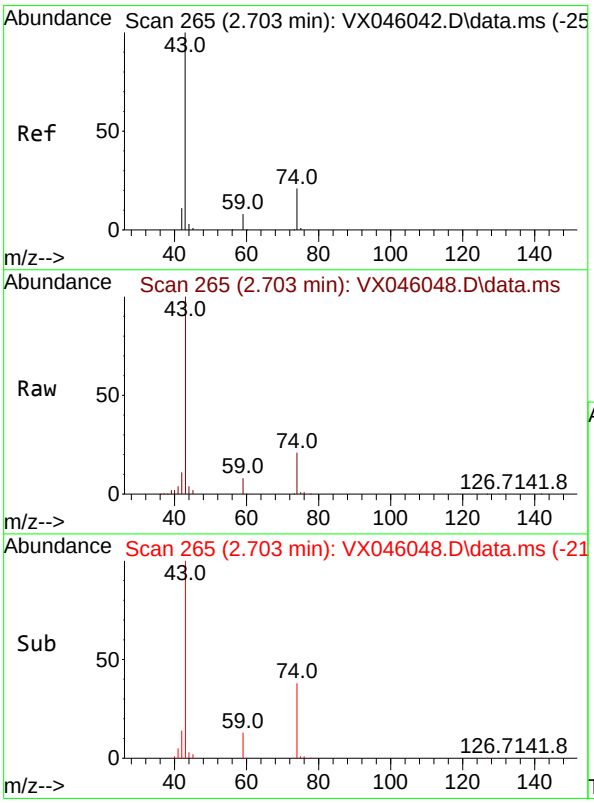
#17
Carbon Disulfide
Concen: 50.981 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 76 Resp: 132695

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

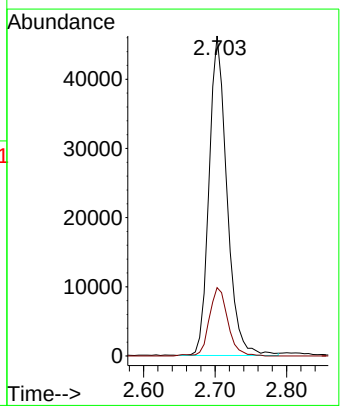


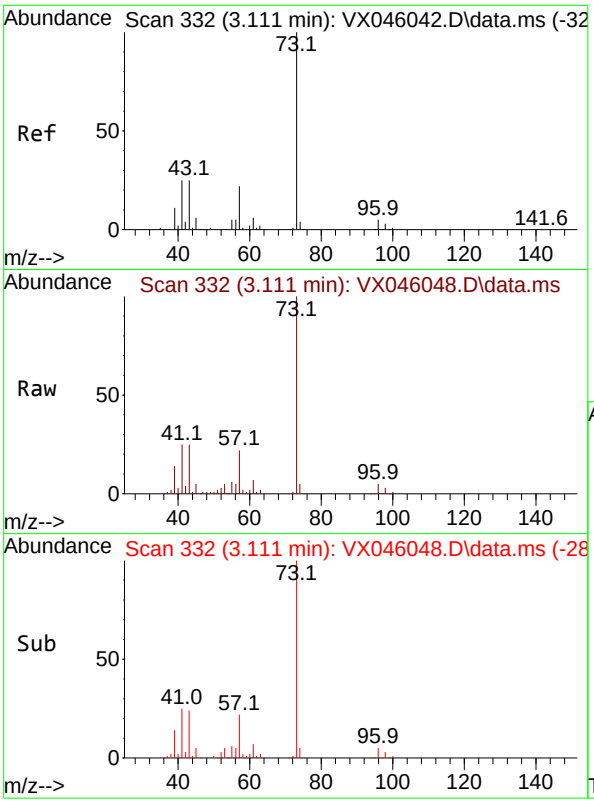


#18
Methyl Acetate
Concen: 49.968 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 80251

Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.7	25.1



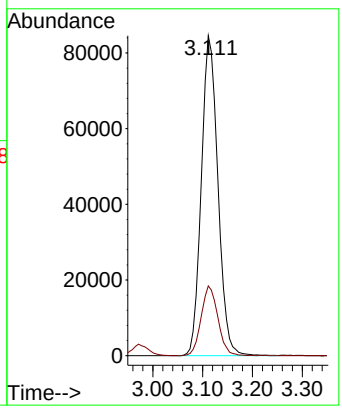


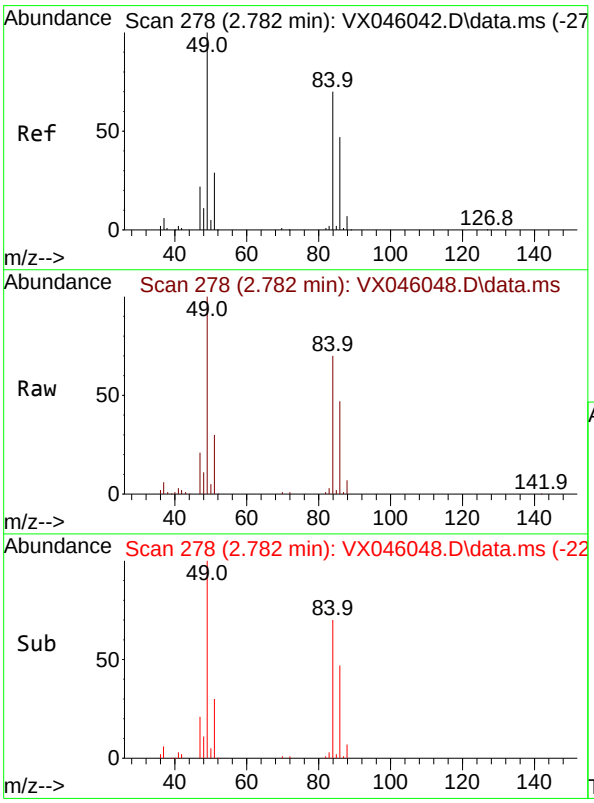
#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 73 Resp: 195442

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

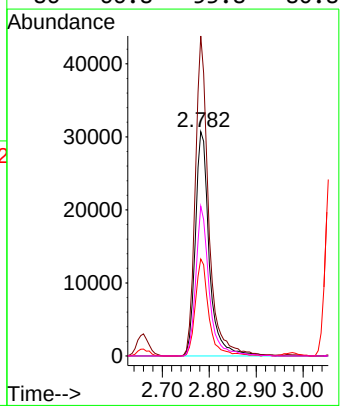


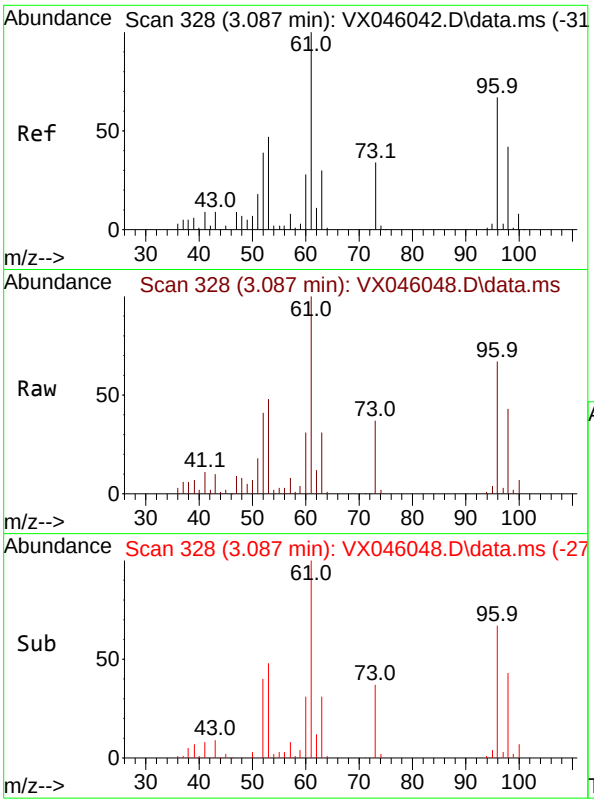


#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



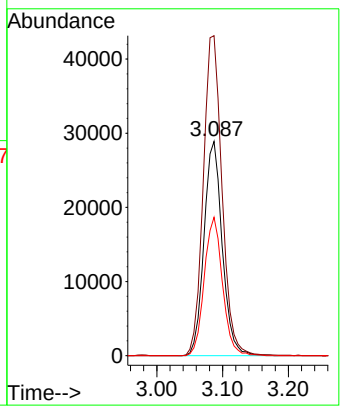


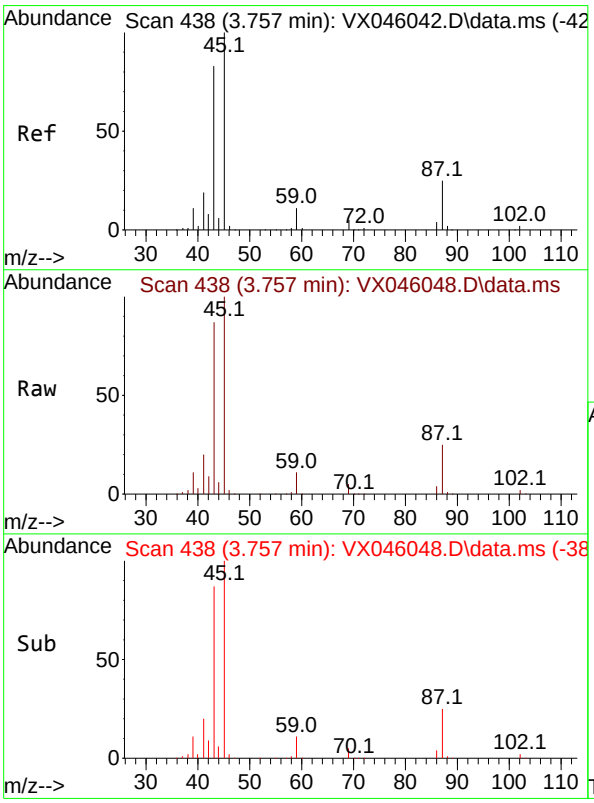
#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

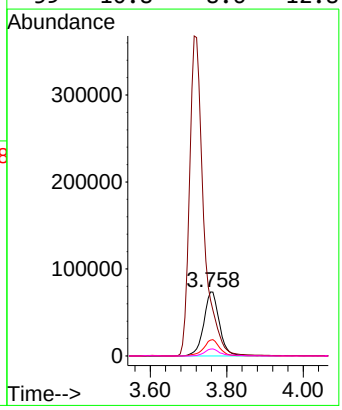


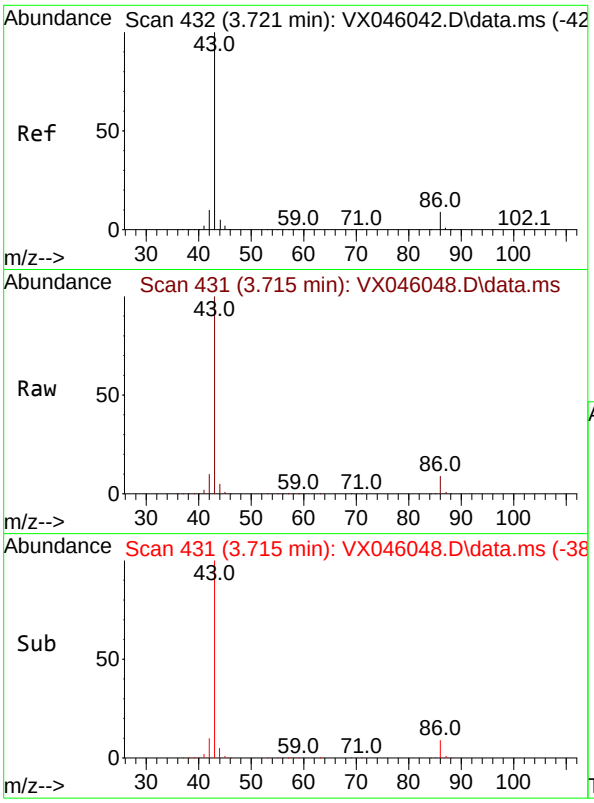


#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



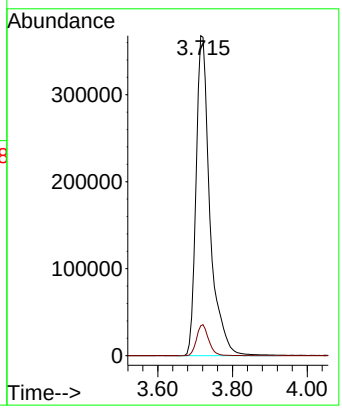


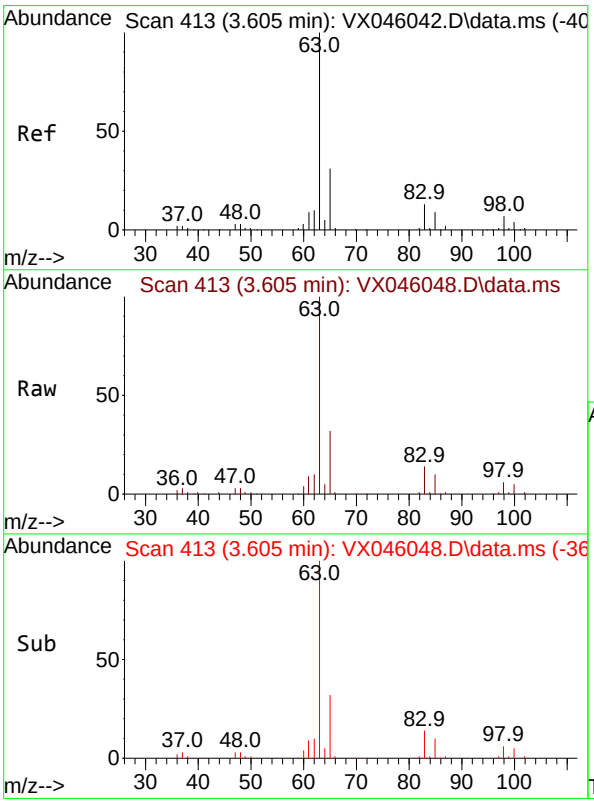
#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 946746

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

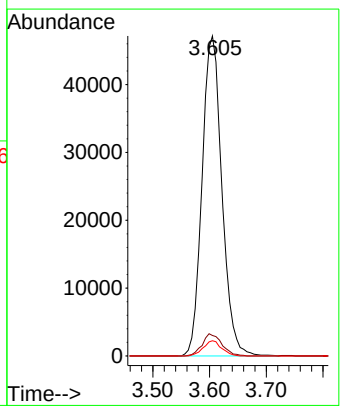


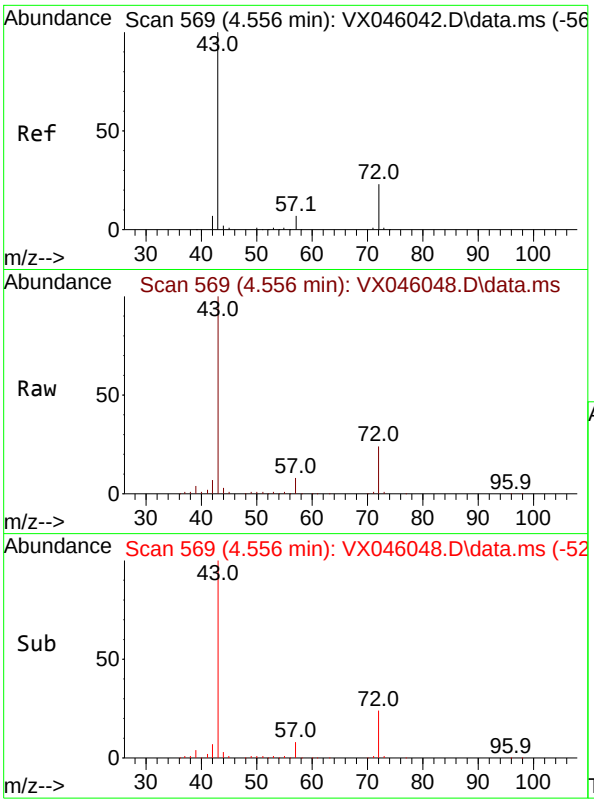


#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



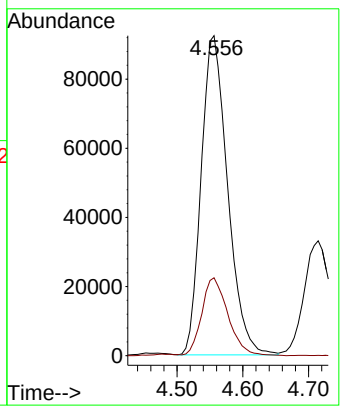


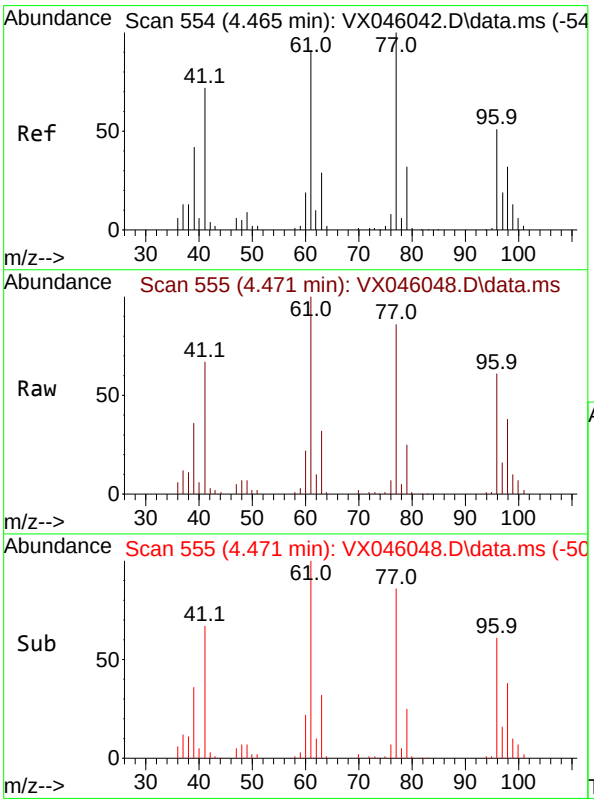
#25
2-Butanone
Concen: 257.110 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 258339

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.4	27.6

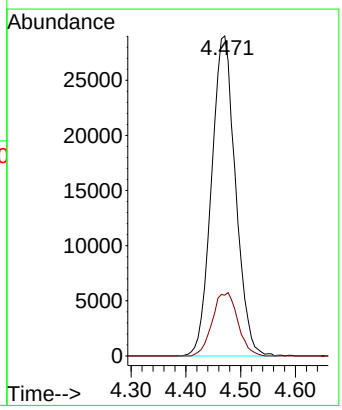


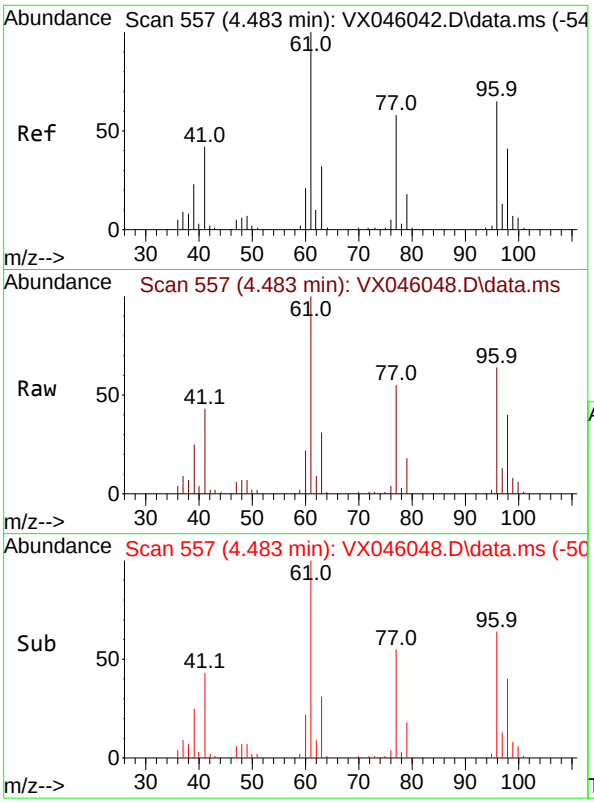


#26
2,2-Dichloropropane
Concen: 49.934 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 77 Resp: 88229

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5



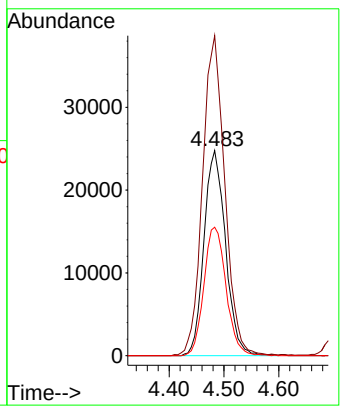


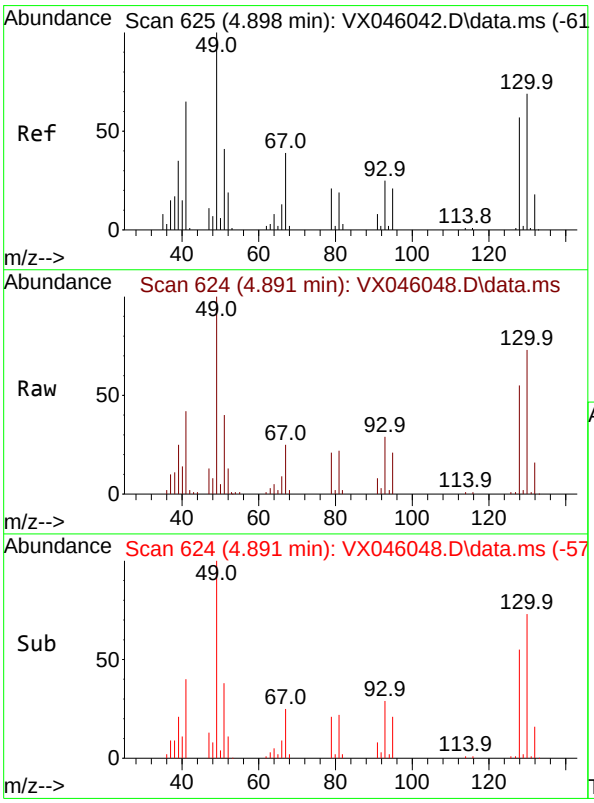
#27
cis-1,2-Dichloroethene
Concen: 50.956 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

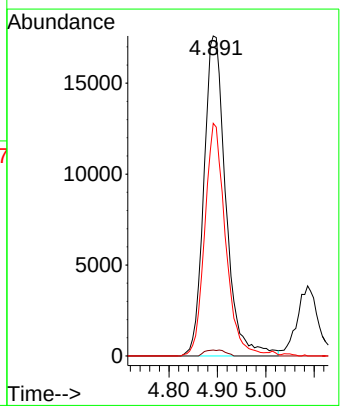


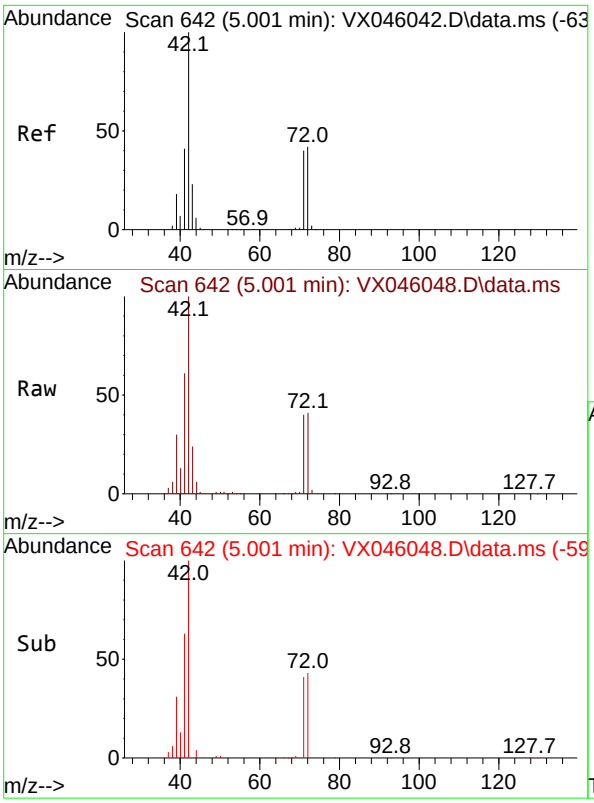


#28
Bromochloromethane
Concen: 50.975 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



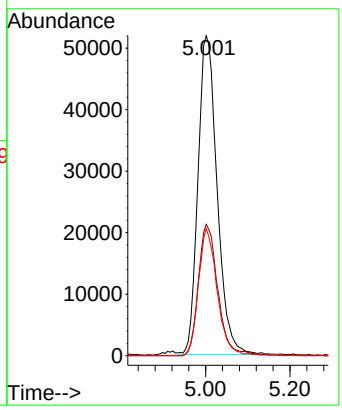


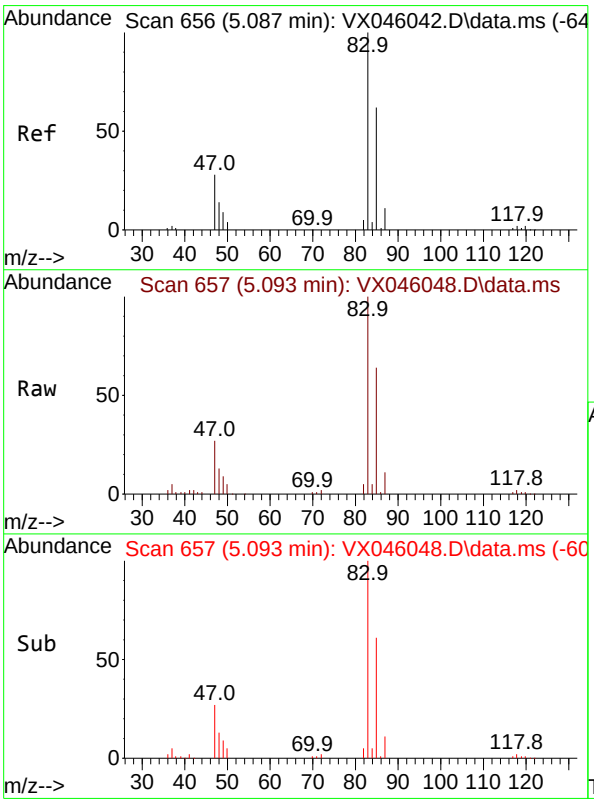
#29
Tetrahydrofuran
Concen: 259.958 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

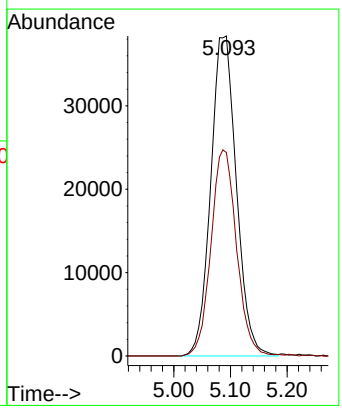


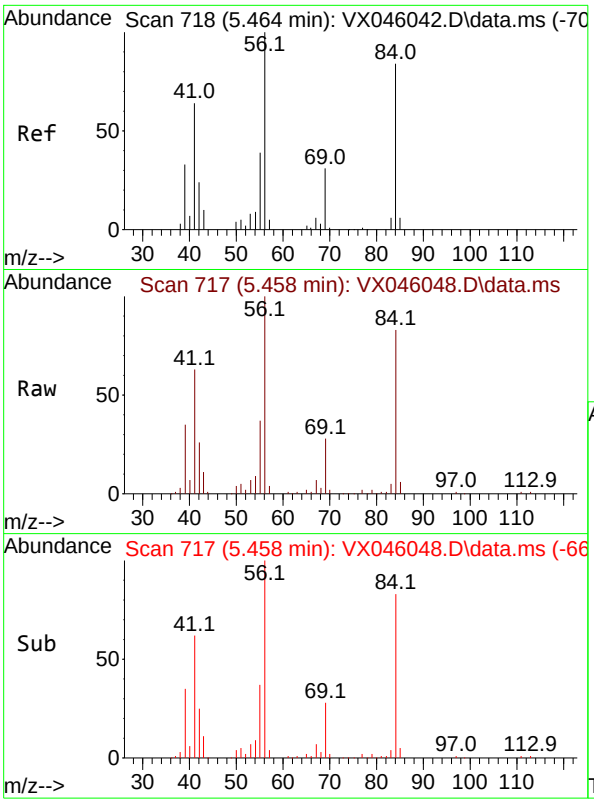


#30
Chloroform
Concen: 51.332 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.3	73.9



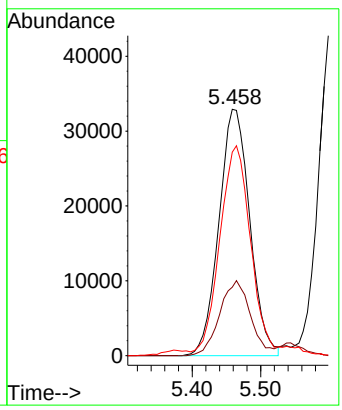


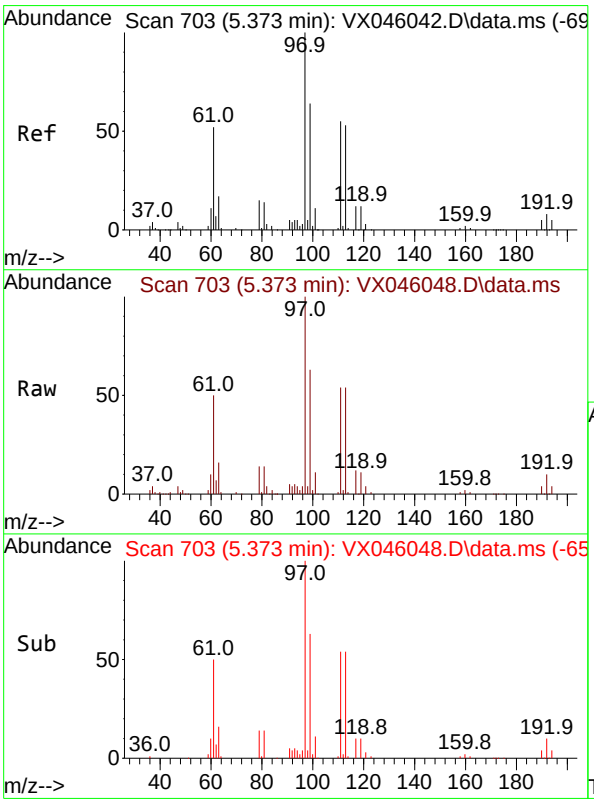
#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

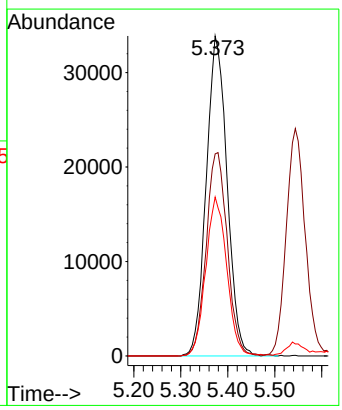


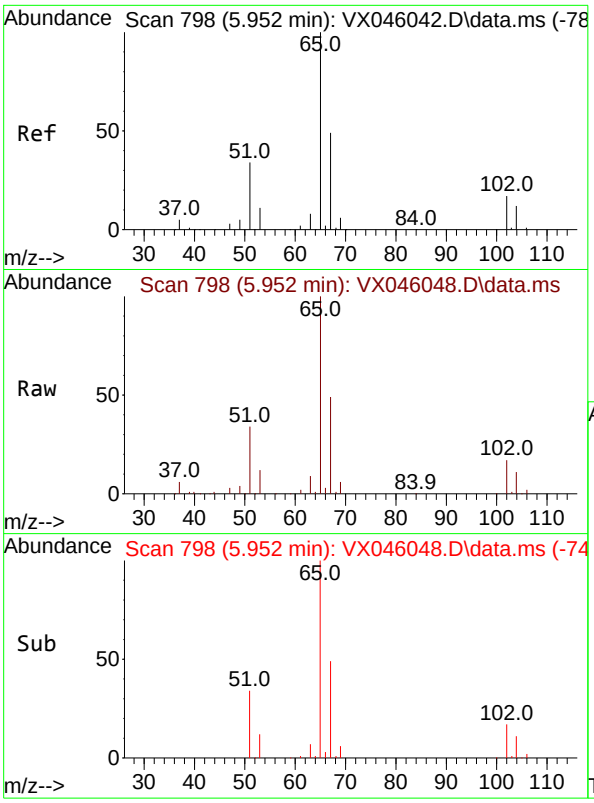


#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



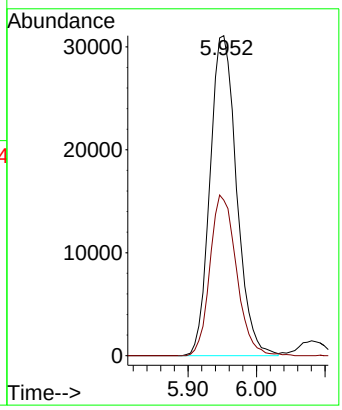


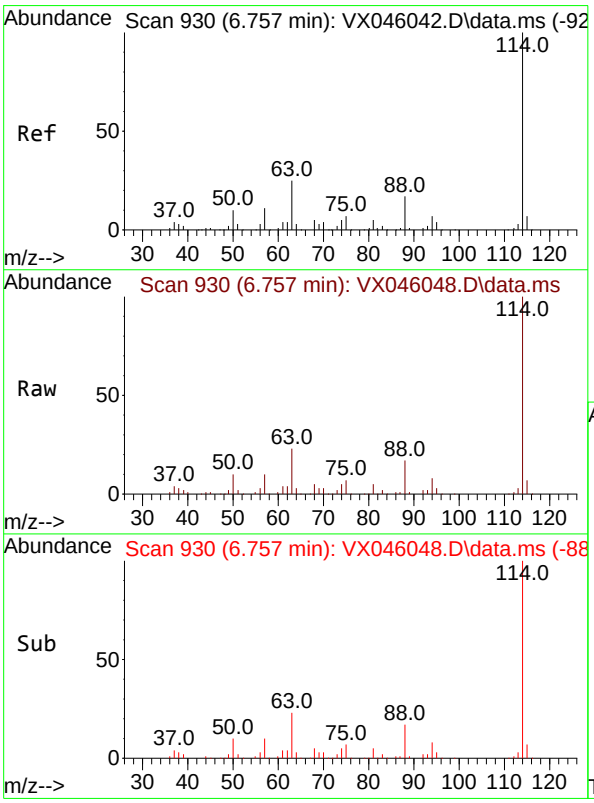
#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 65 Resp: 83733

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0

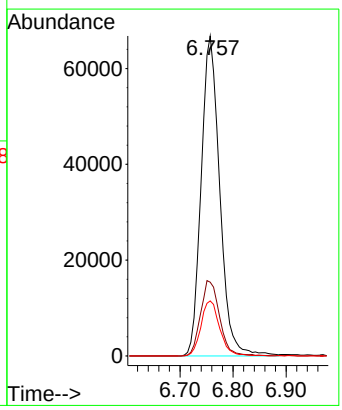


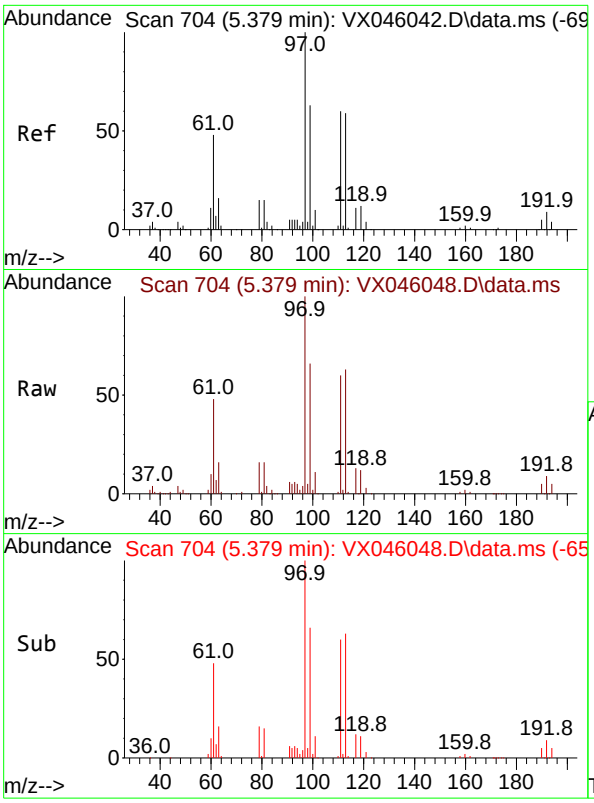


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



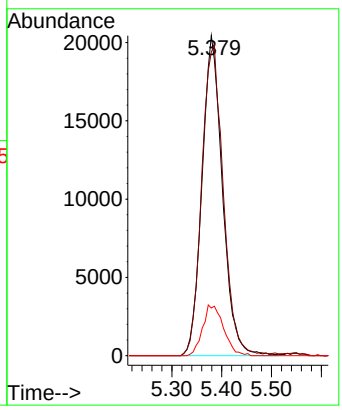


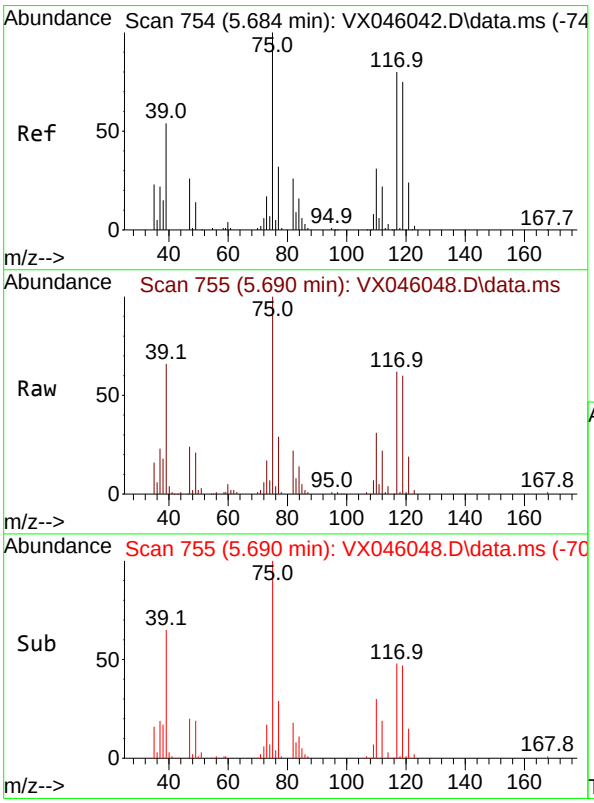
#35
Dibromofluoromethane
Concen: 49.683 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

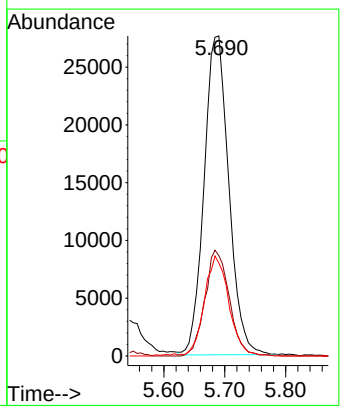


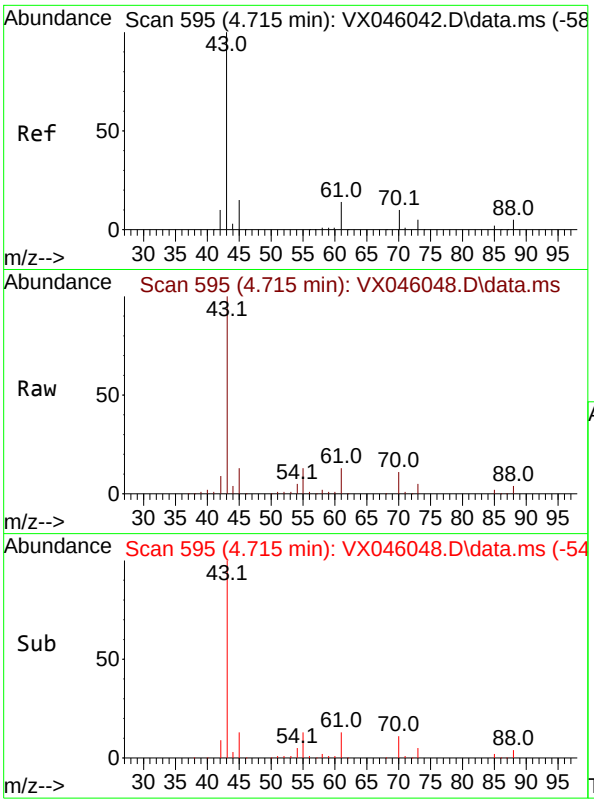


#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



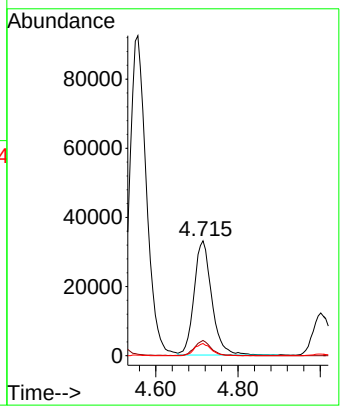


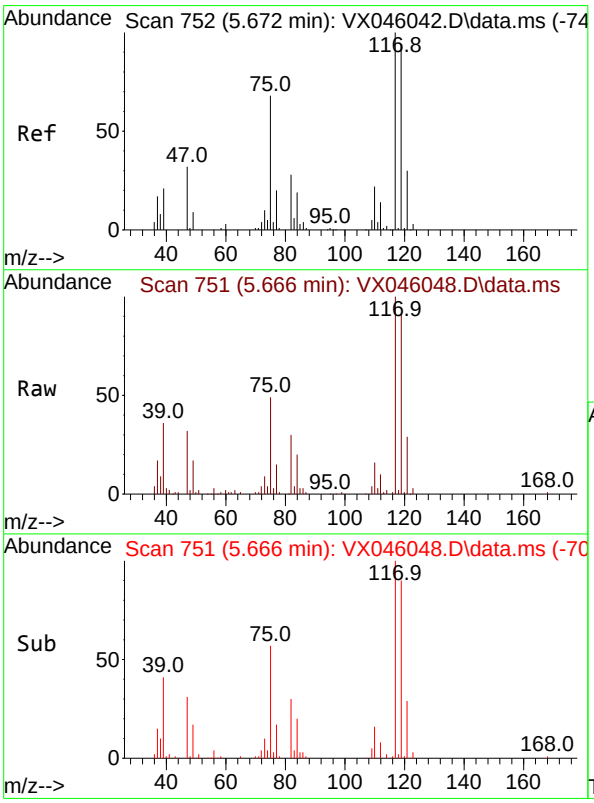
#37
Ethyl Acetate
Concen: 50.714 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

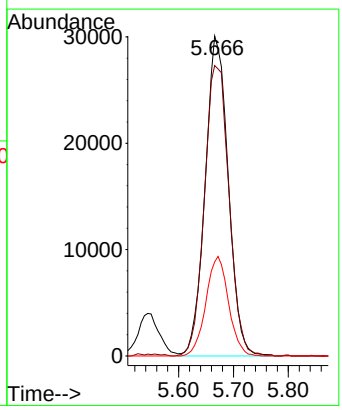


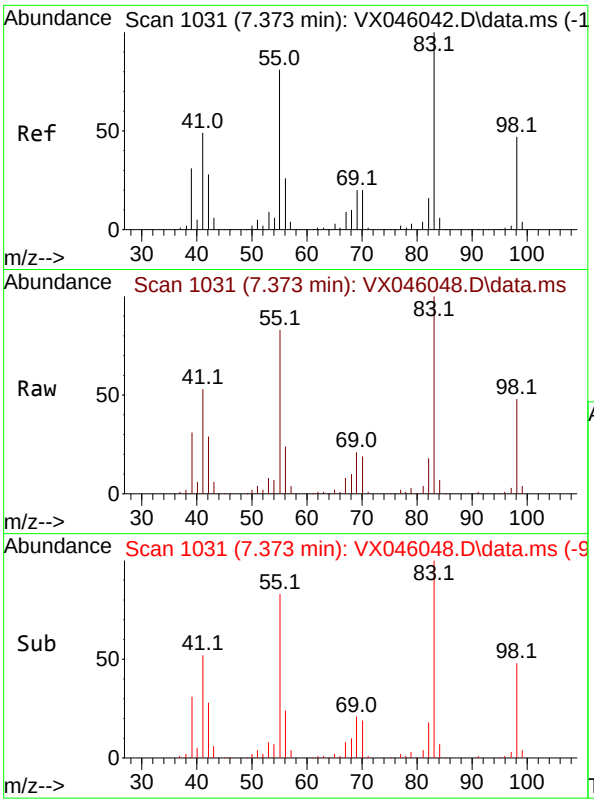


#38
Carbon Tetrachloride
Concen: 49.825 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



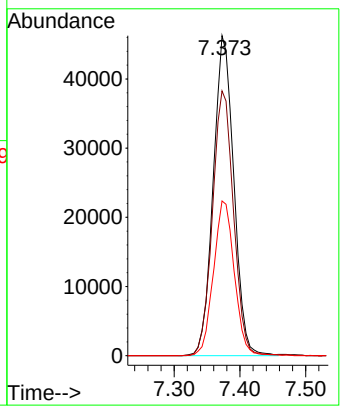


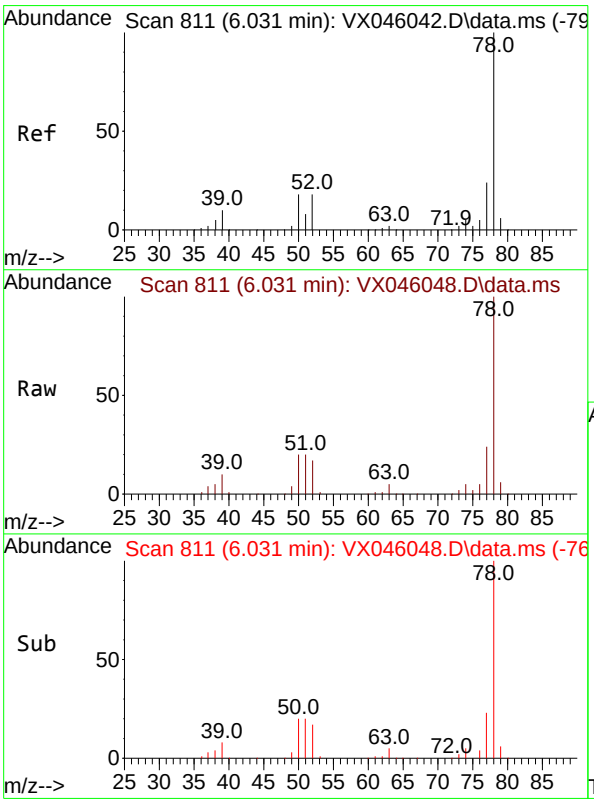
#39
Methylcyclohexane
Concen: 49.757 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

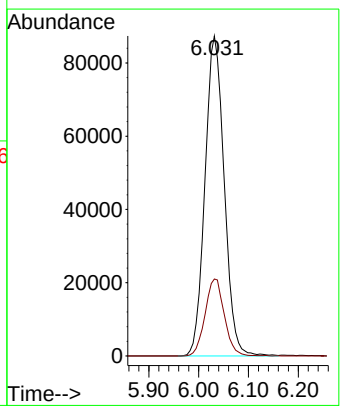


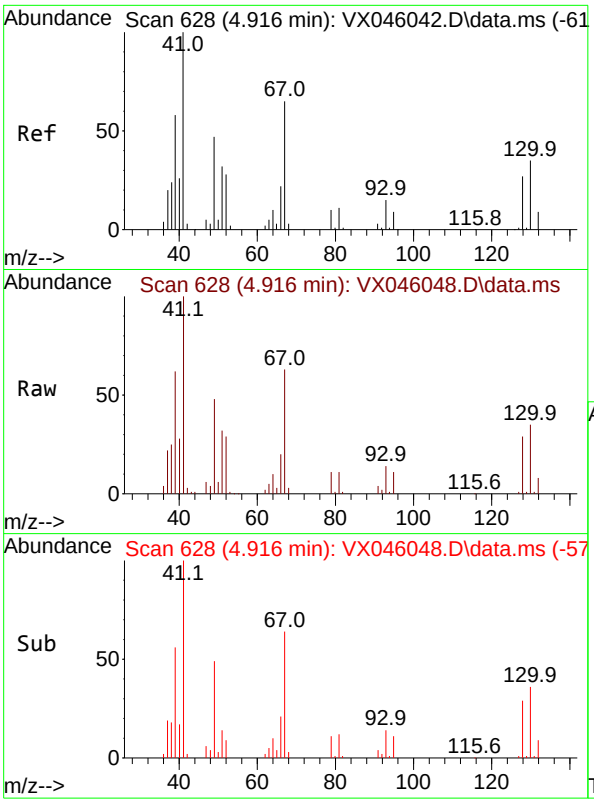


#40
Benzene
Concen: 50.759 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 78 Resp: 233977

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4



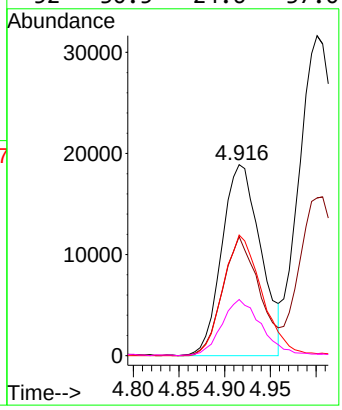


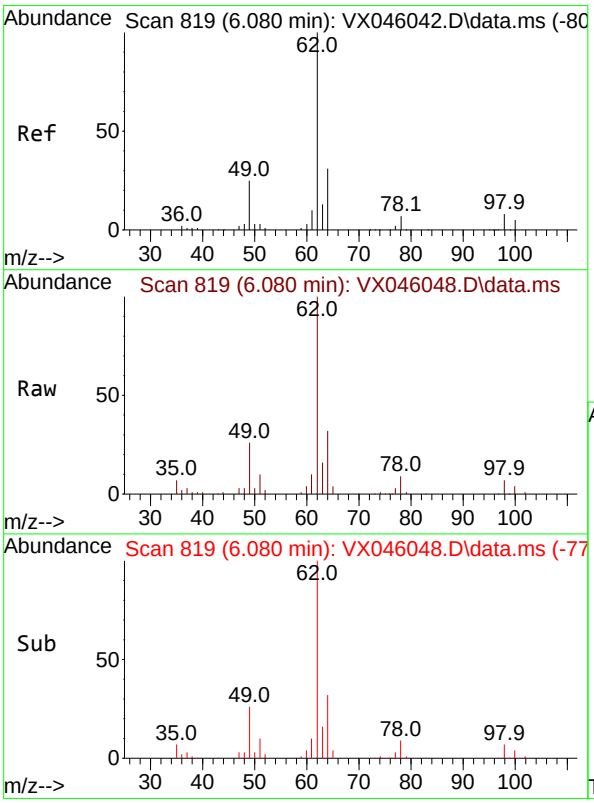
#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

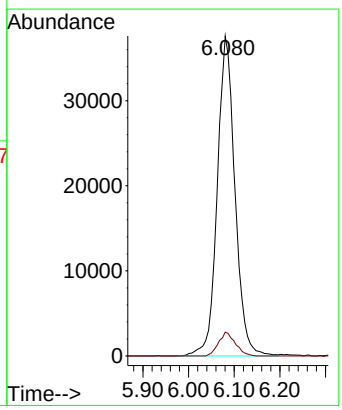


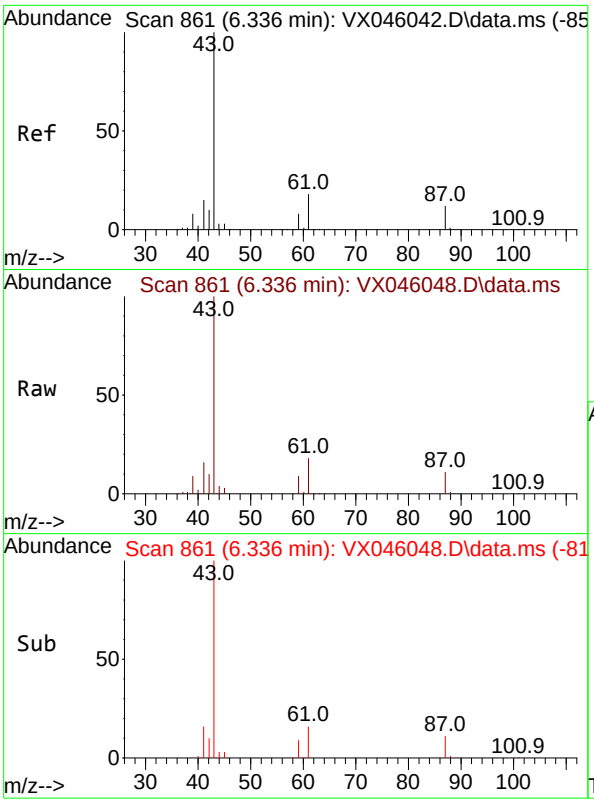


#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 101185

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.2



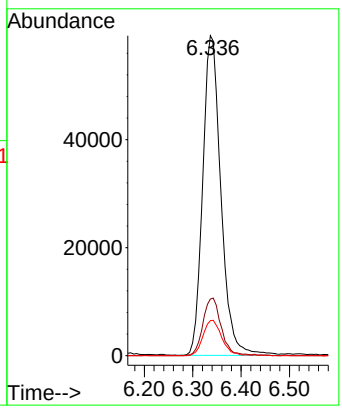


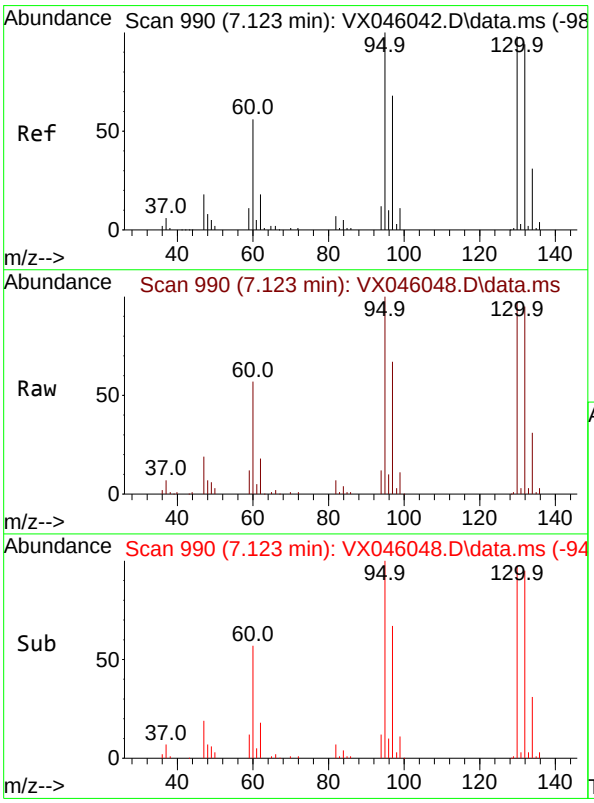
#43
Isopropyl Acetate
Concen: 52.195 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

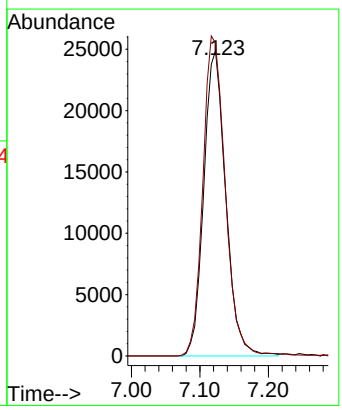


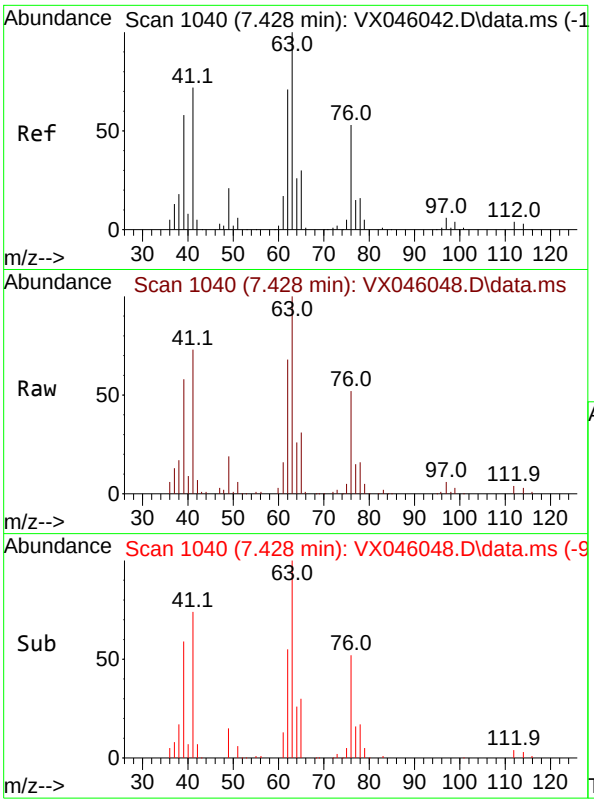


#44
Trichloroethene
Concen: 50.018 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:130 Resp: 55491

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	204.2



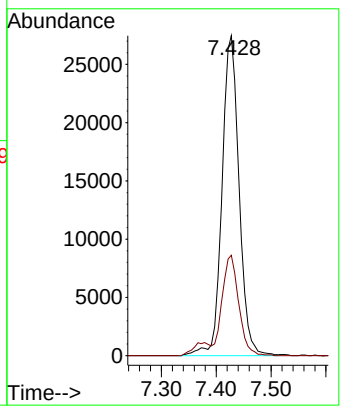


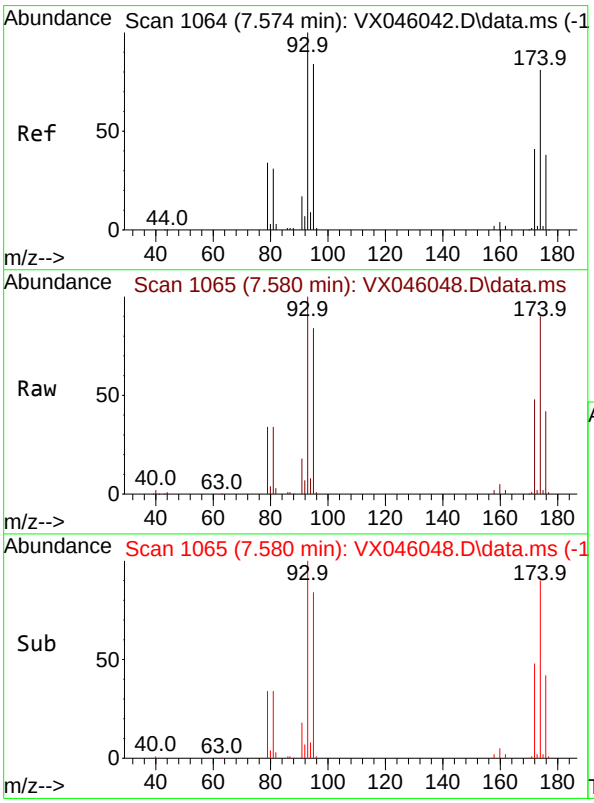
#45
1,2-Dichloropropane
Concen: 51.983 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 63 Resp: 59582

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1

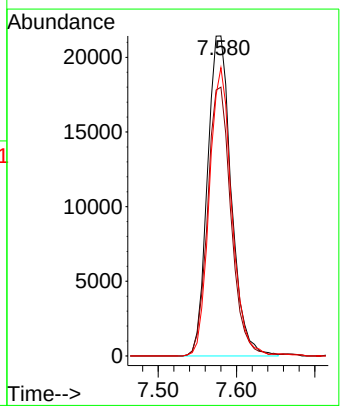


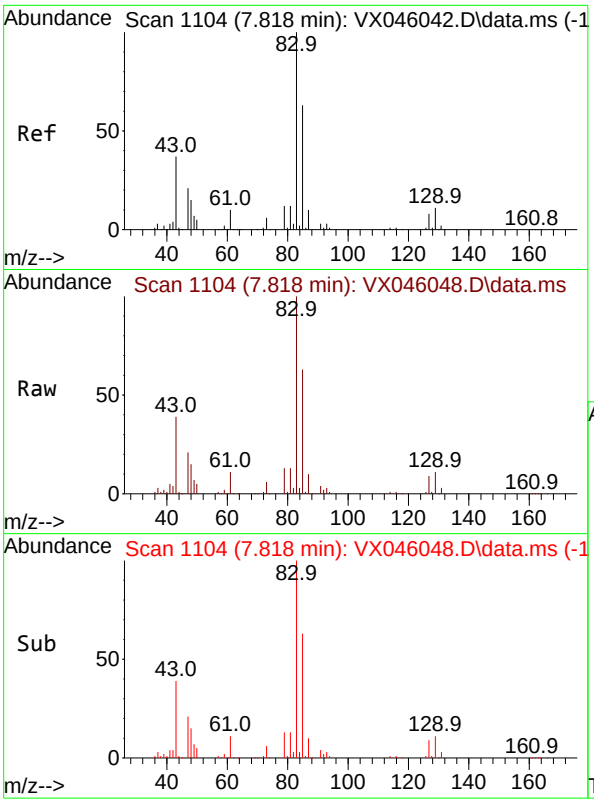


#46
Dibromomethane
Concen: 49.978 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



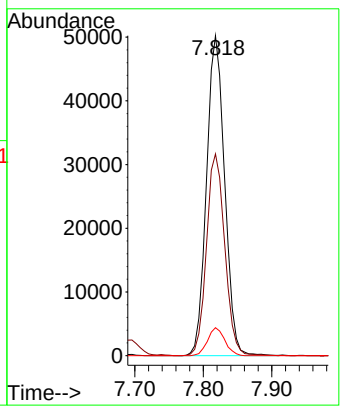


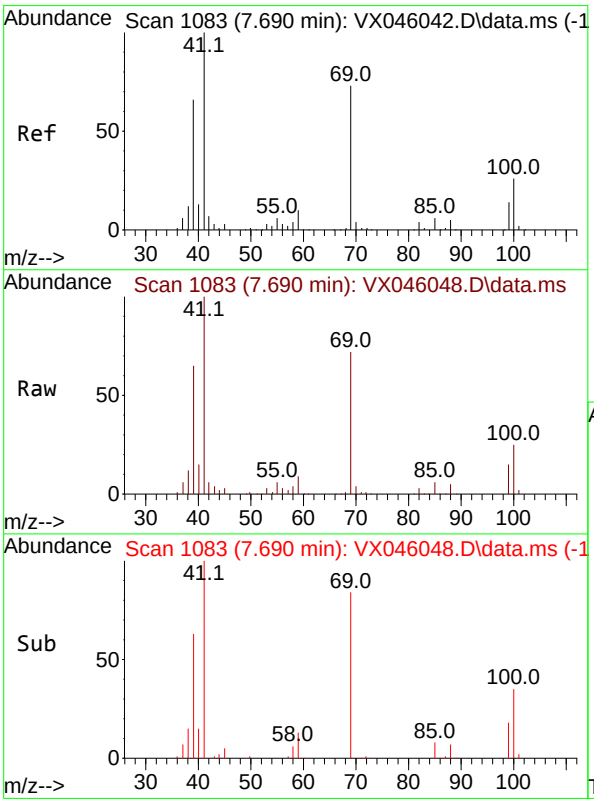
#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

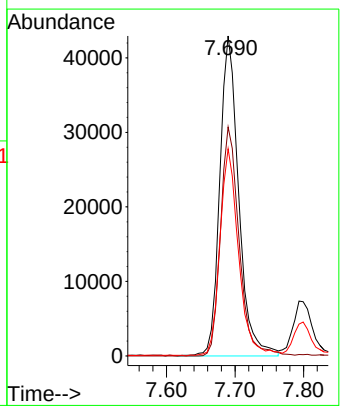


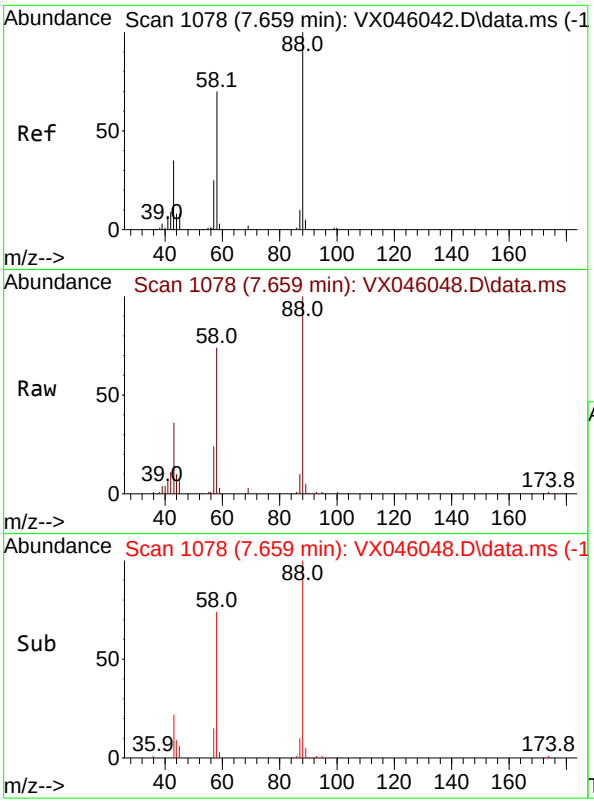


#48
Methyl methacrylate
Concen: 54.226 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



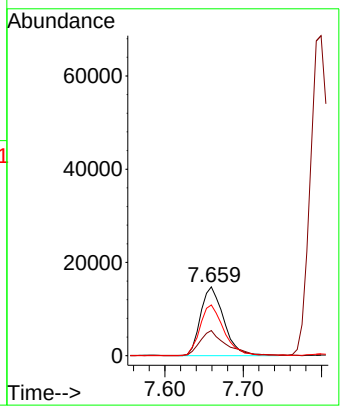


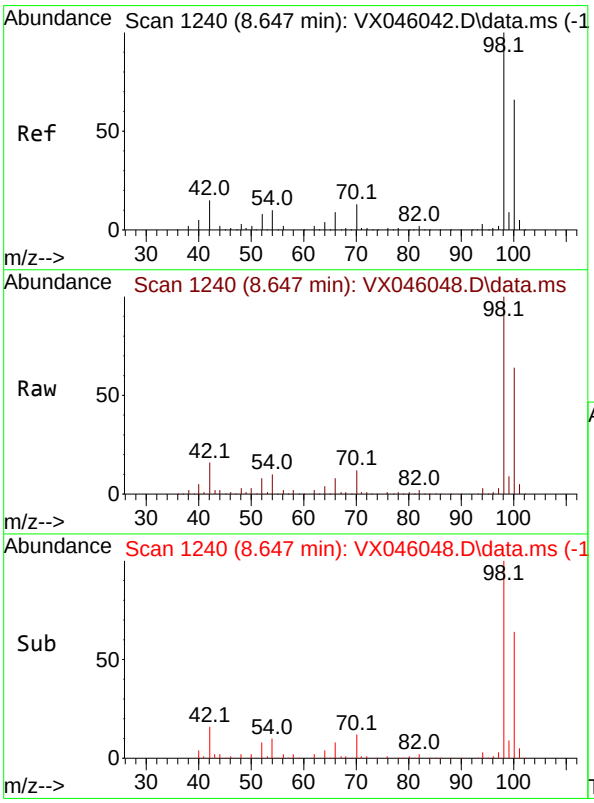
#49
1,4-Dioxane
Concen: 1059.599 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

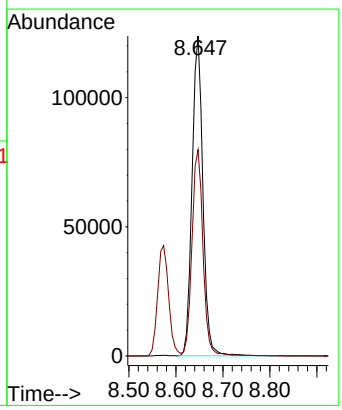


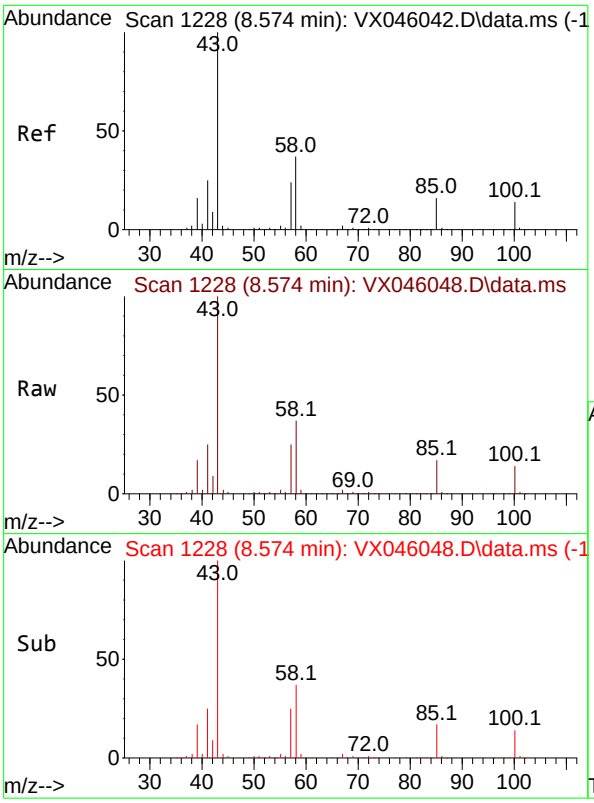


#50
Toluene-d8
Concen: 48.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 98 Resp: 198575

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.5	80.3



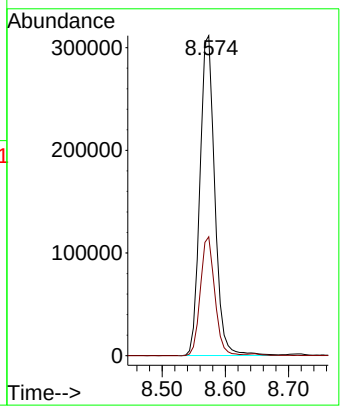


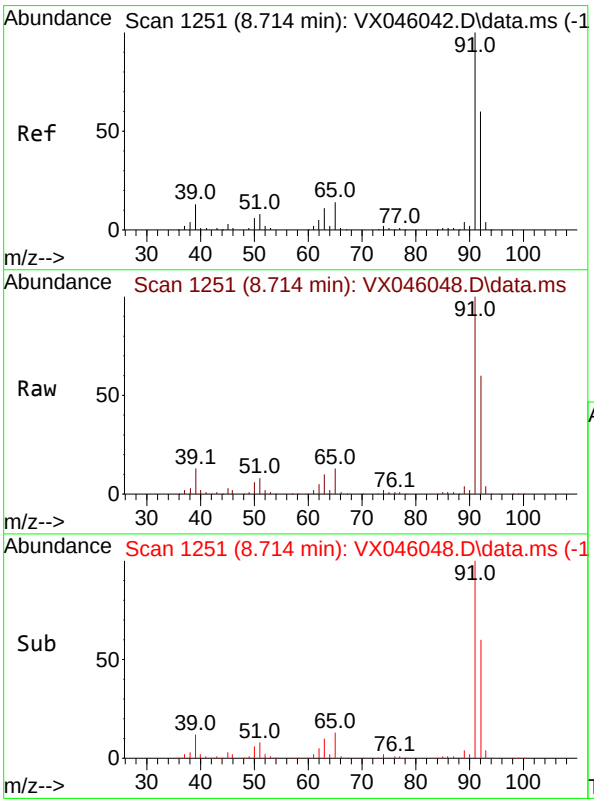
#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 510206

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

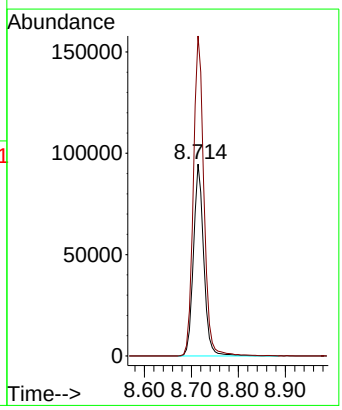


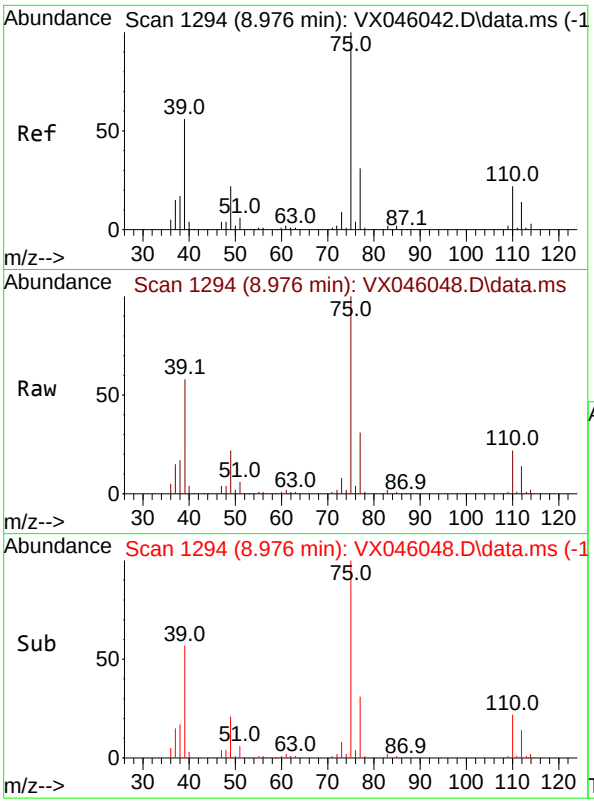


#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.6	205.0



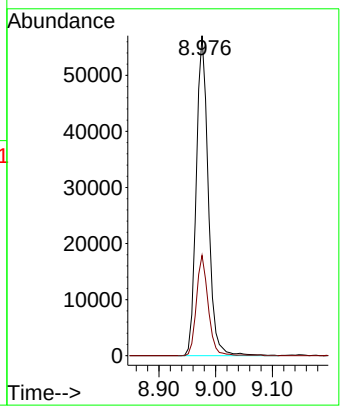


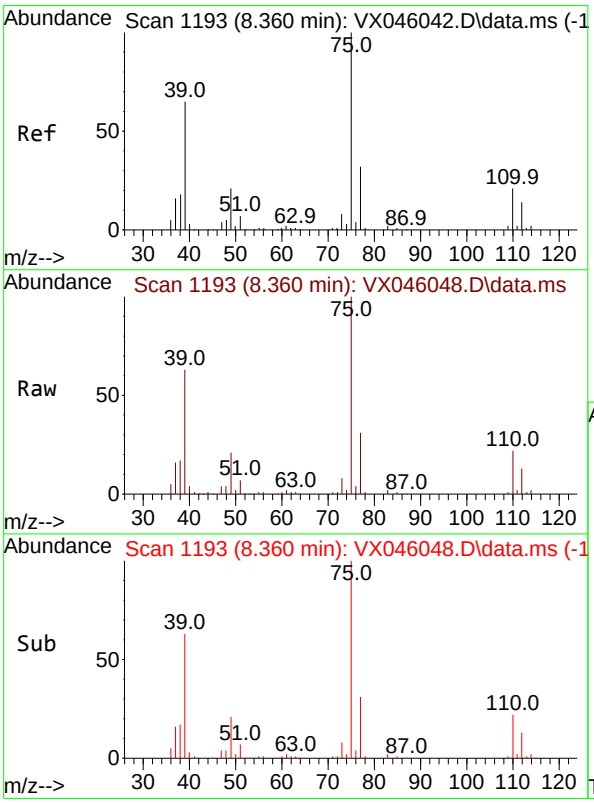
#53
t-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 75 Resp: 83751

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

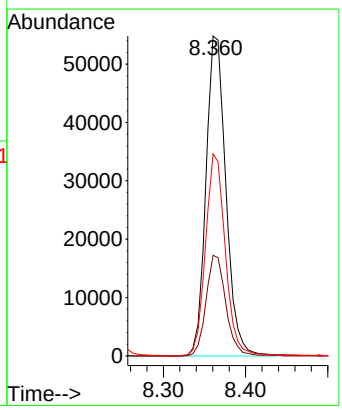


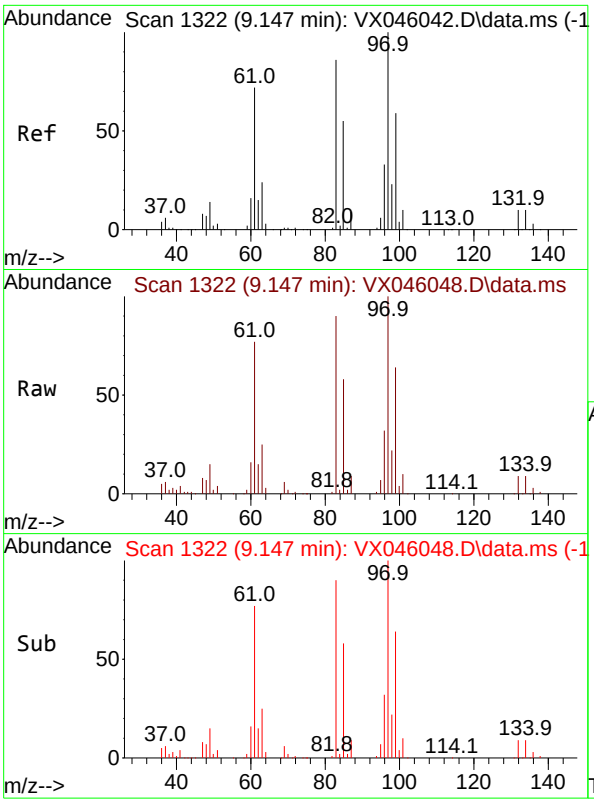


#54
cis-1,3-Dichloropropene
Concen: 52.892 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



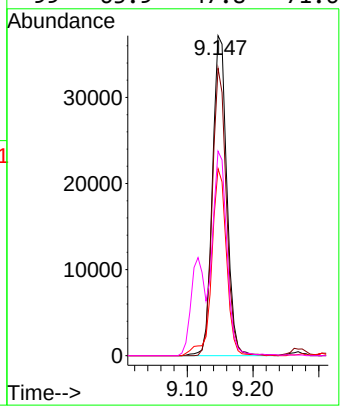


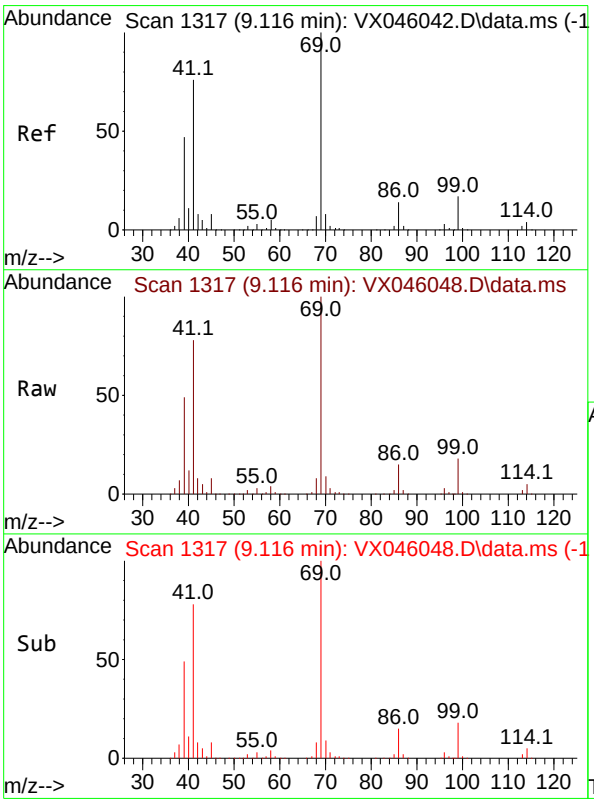
#55
1,1,2-Trichloroethane
Concen: 50.887 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

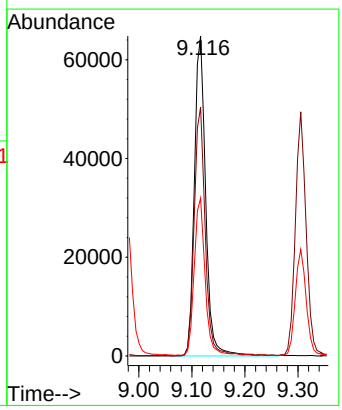


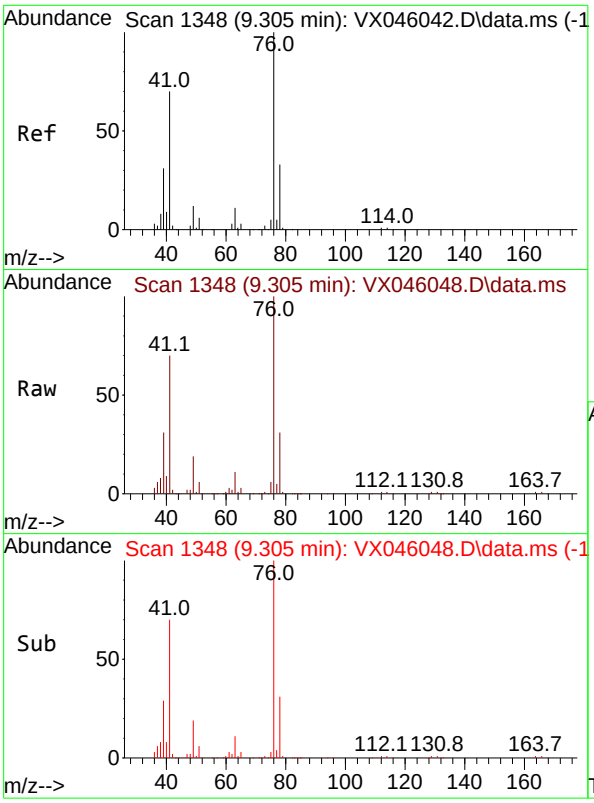


#56
Ethyl methacrylate
Concen: 53.918 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



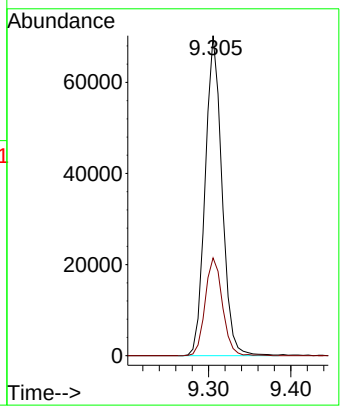


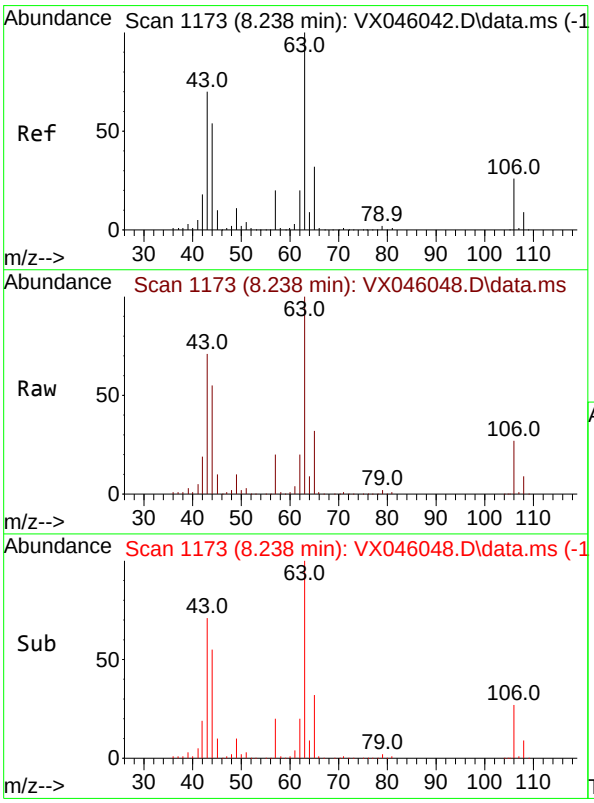
#57
1,3-Dichloropropane
Concen: 49.793 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 76 Resp: 99663

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

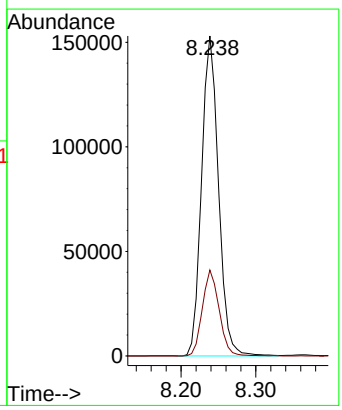


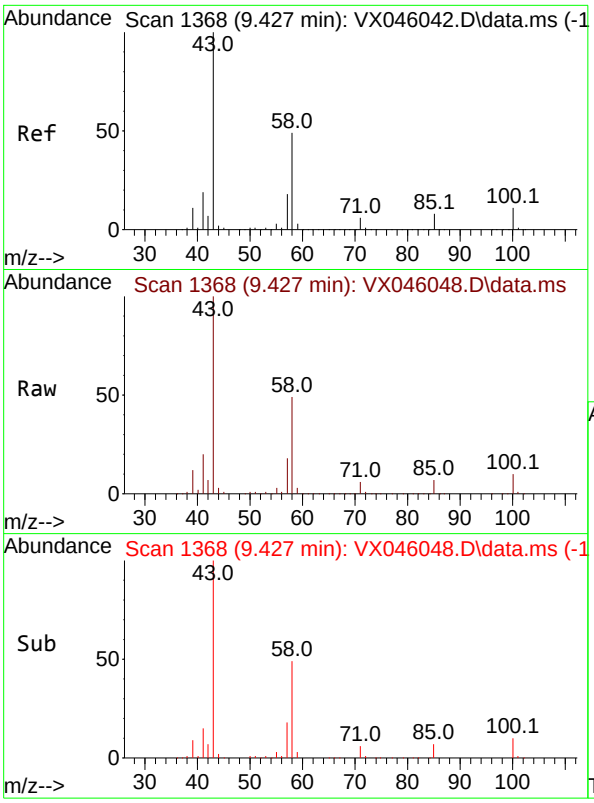


#58
2-Chloroethyl Vinyl ether
Concen: 265.780 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 240681

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3



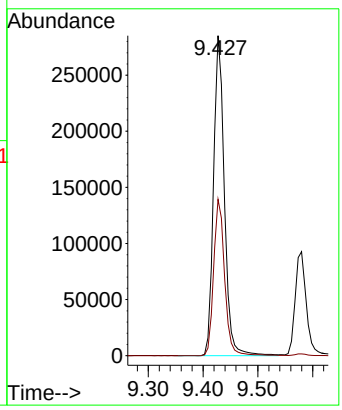


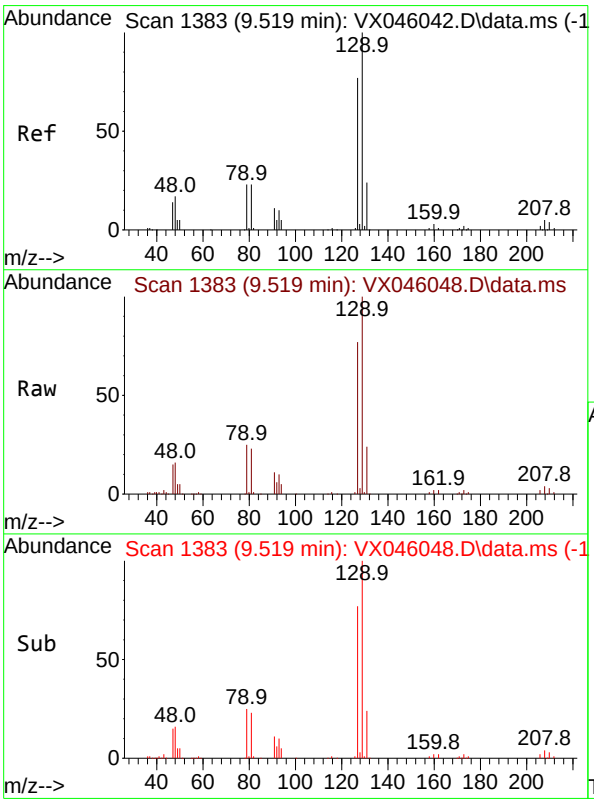
#59
2-Hexanone
Concen: 268.218 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 390701

Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.9	74.6

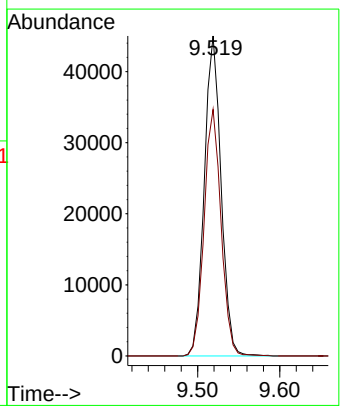


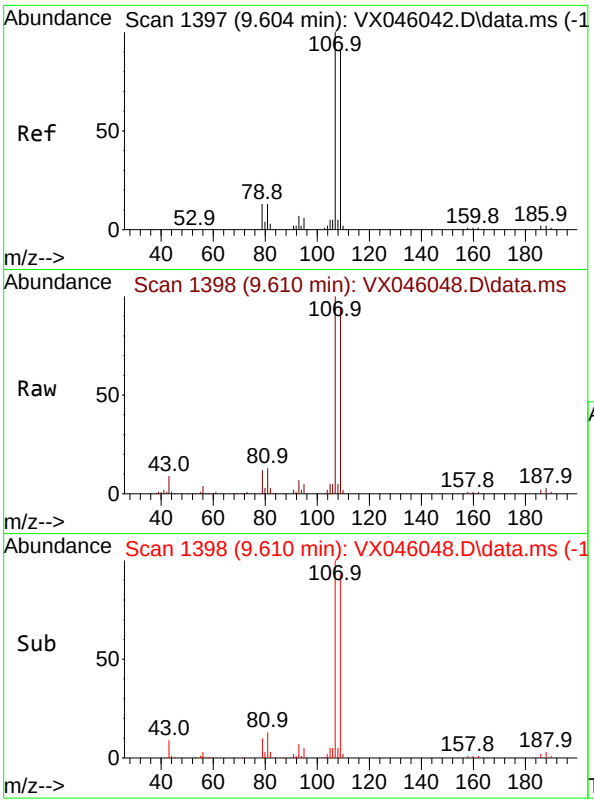


#60
Dibromochloromethane
Concen: 52.075 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:129 Resp: 63738

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8



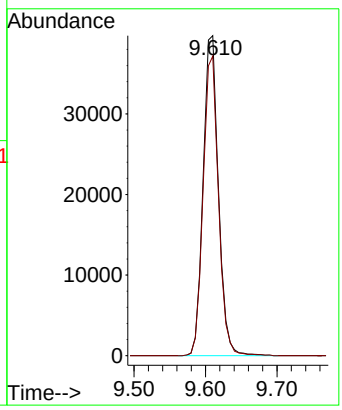


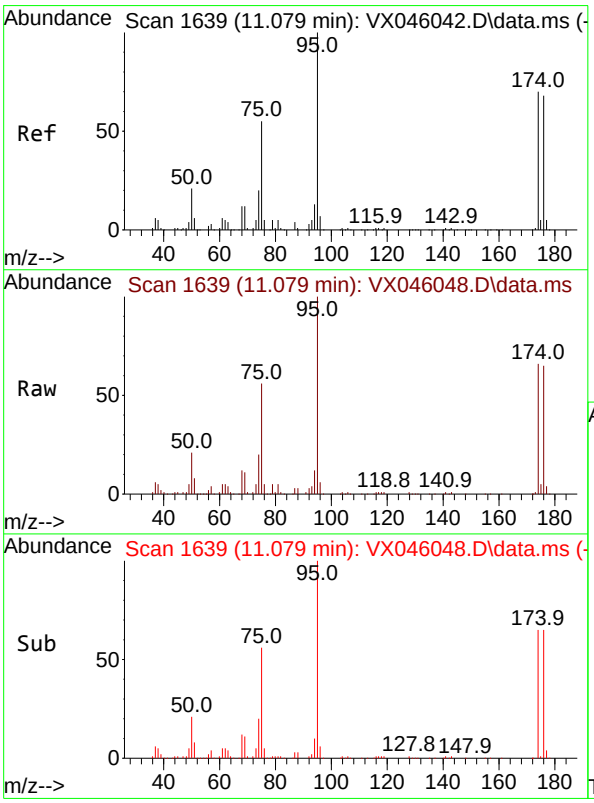
#61
1,2-Dibromoethane
Concen: 51.050 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:107 Resp: 59134

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.3	109.9

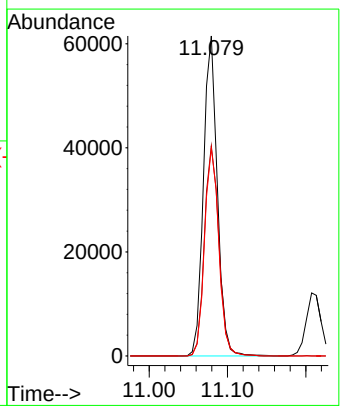


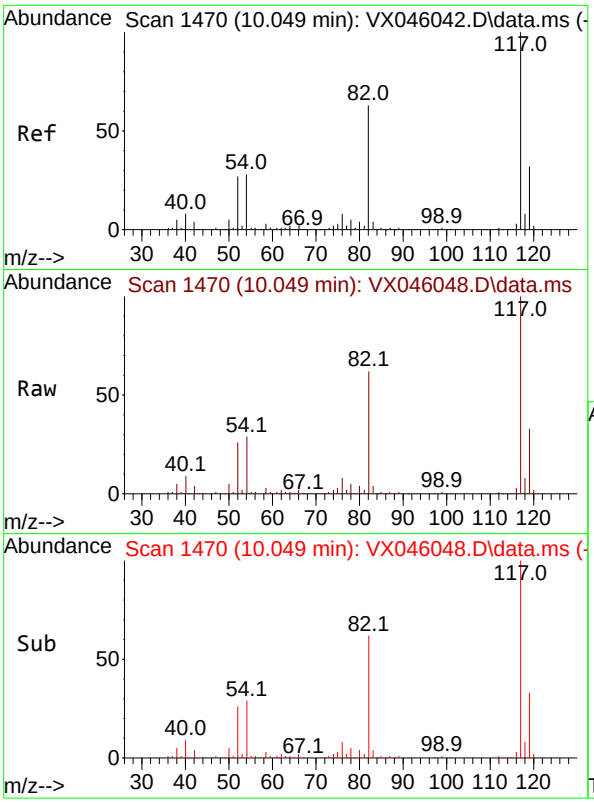


#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



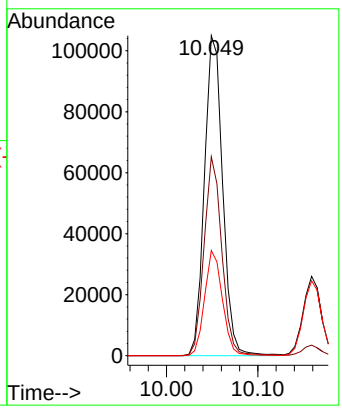


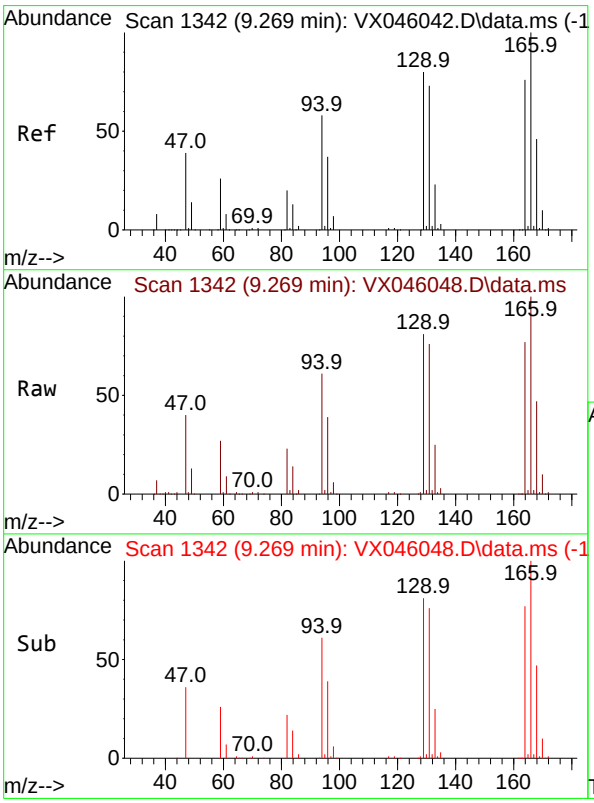
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

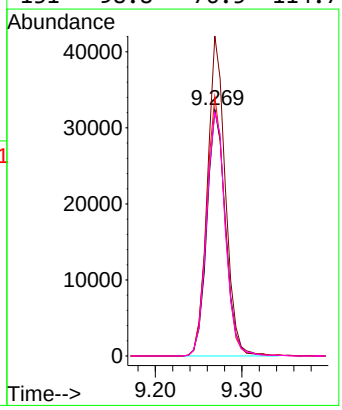


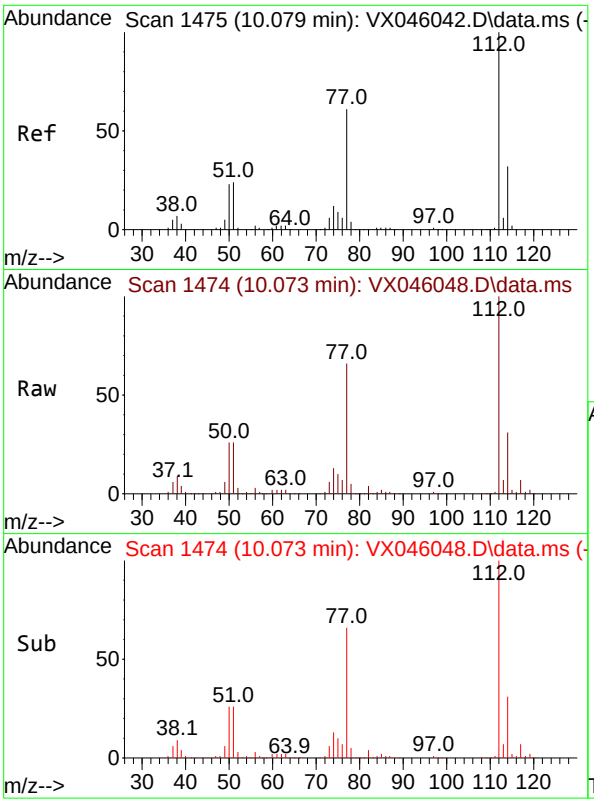


#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



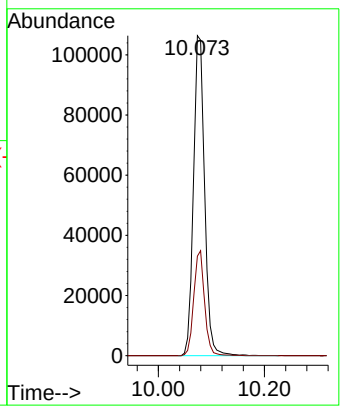


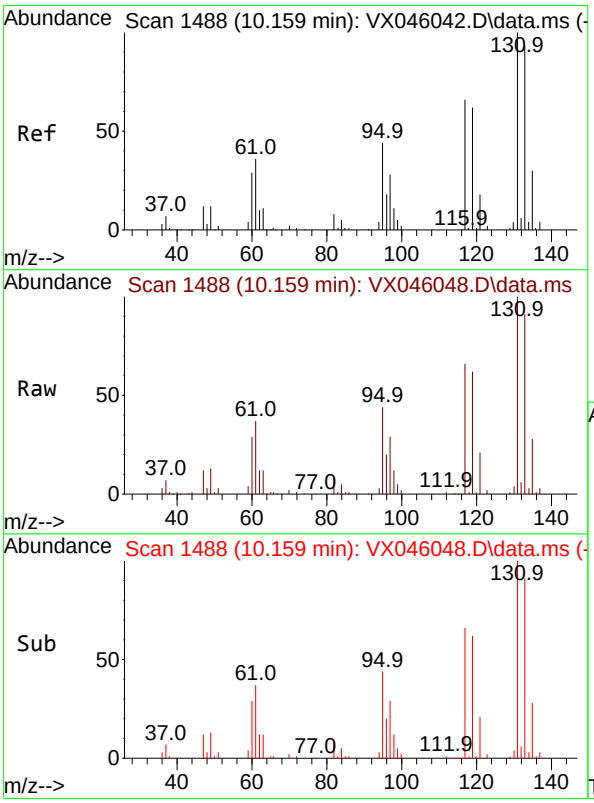
#65
Chlorobenzene
Concen: 48.699 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:112 Resp: 154640

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2

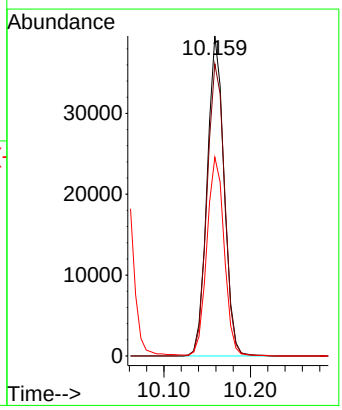


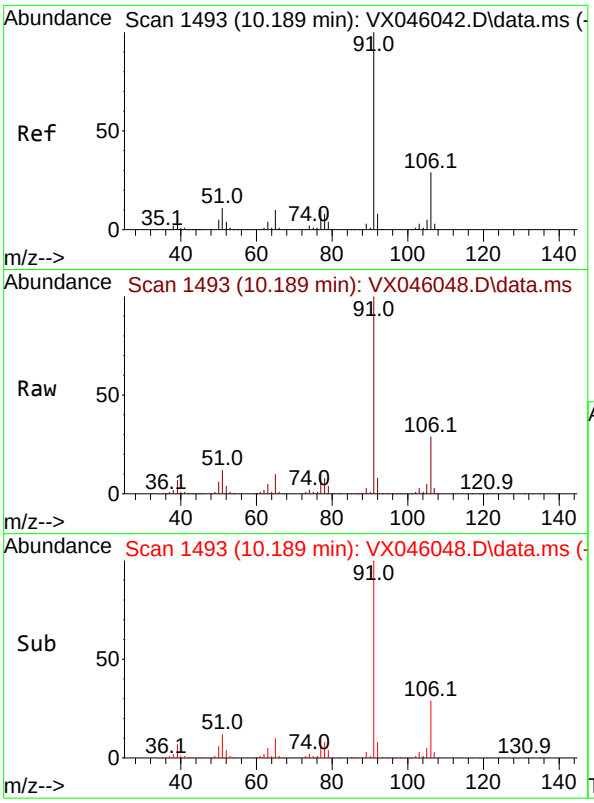


#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



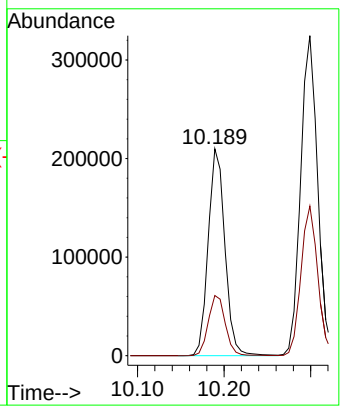


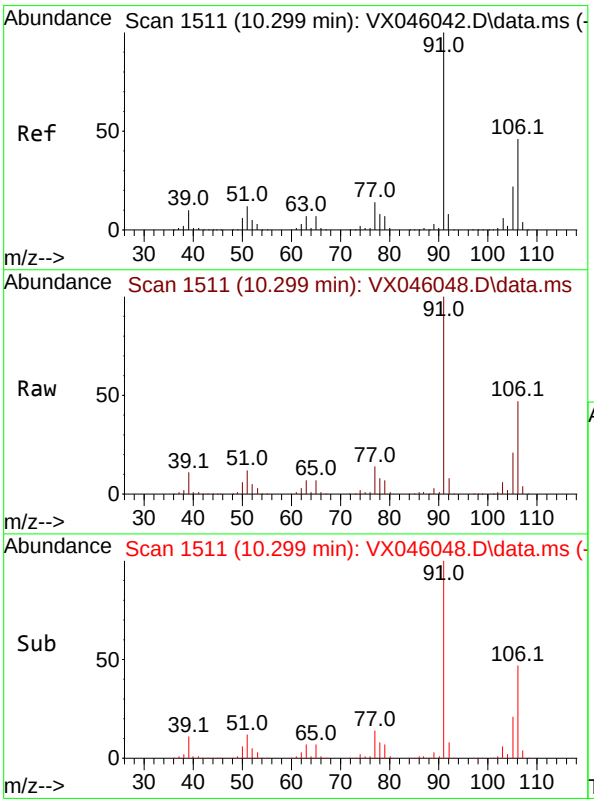
#67
Ethyl Benzene
Concen: 50.245 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 91 Resp: 281239

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.4	35.2

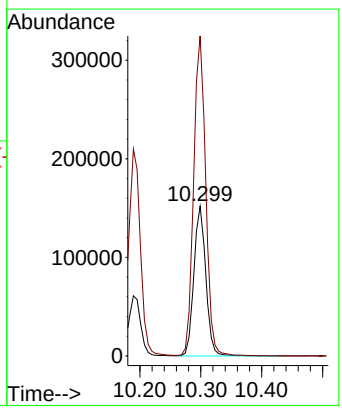


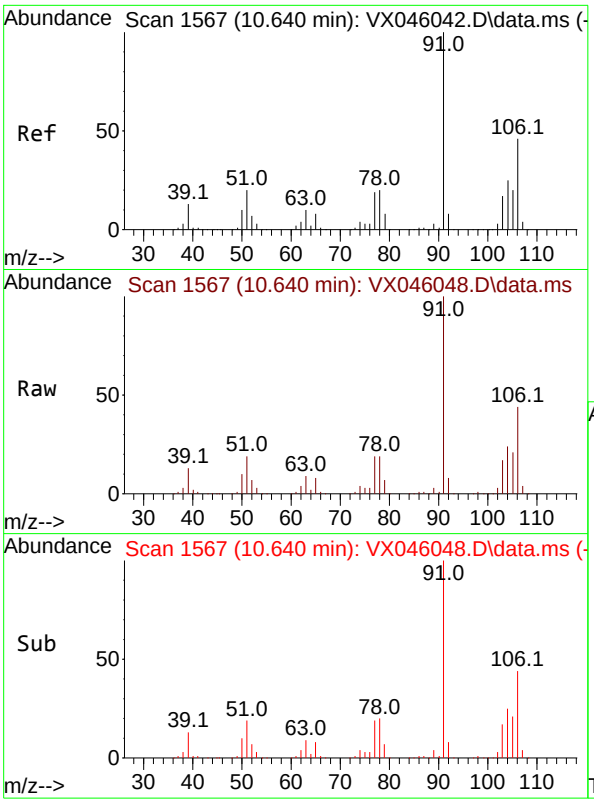


#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:106 Resp: 206813

Ion	Ratio	Lower	Upper
106	100		
91	215.6	171.2	256.8



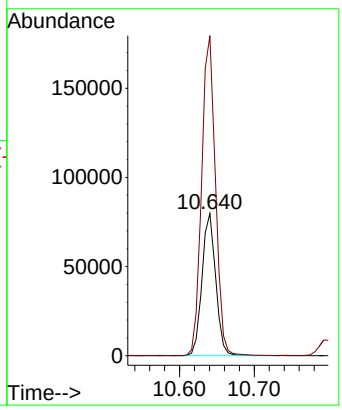


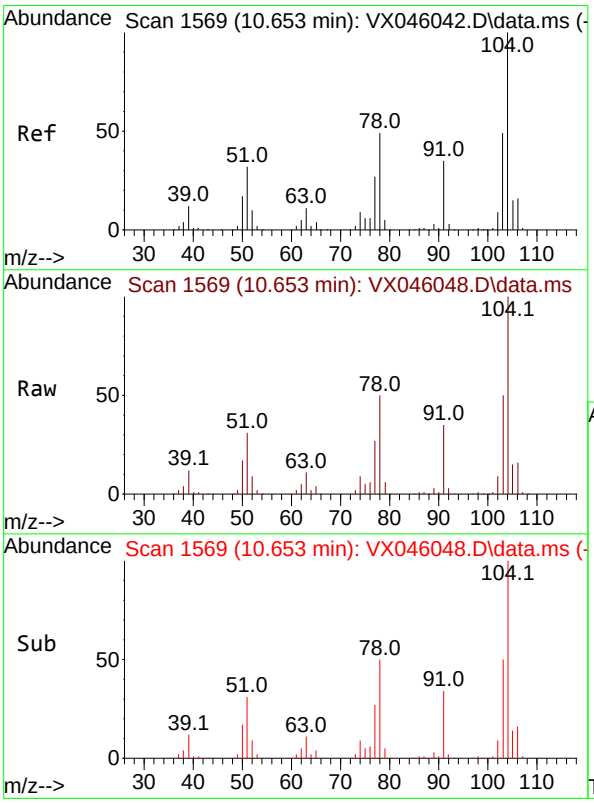
#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:106 Resp: 101469

Ion	Ratio	Lower	Upper
106	100		
91	227.7	112.7	338.1

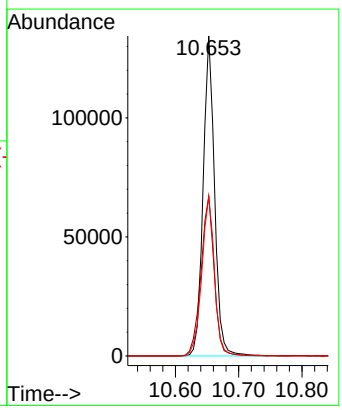


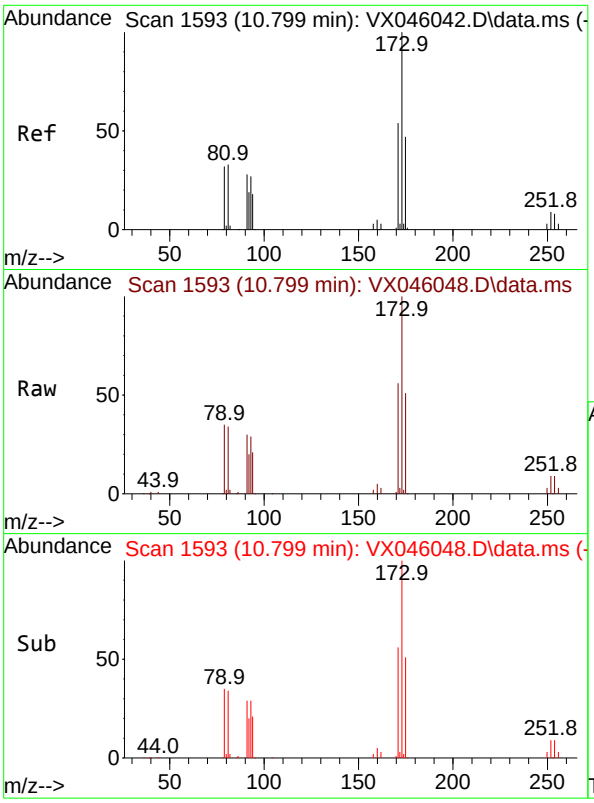


#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



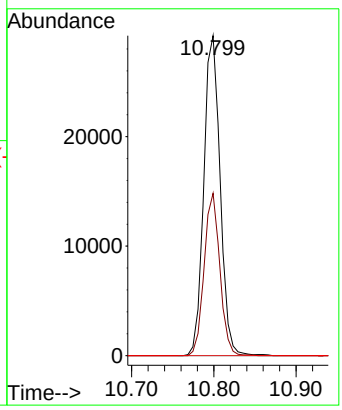


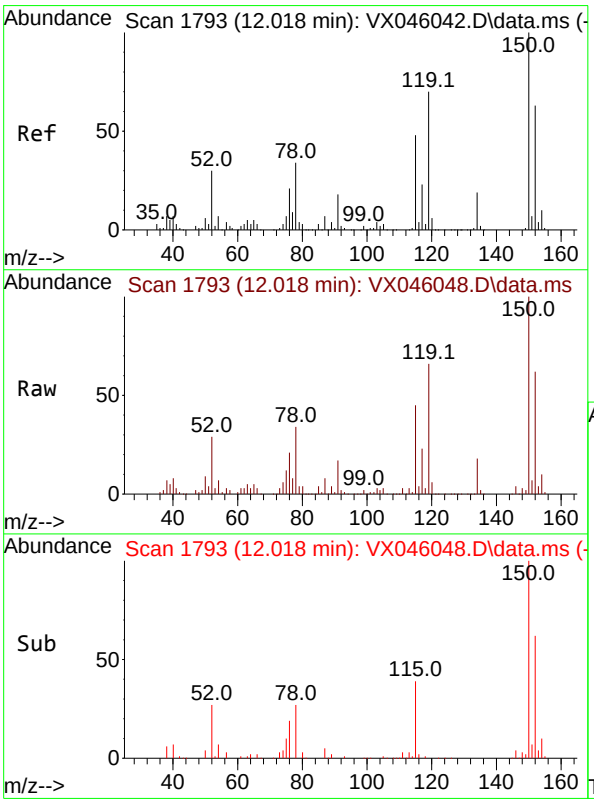
#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

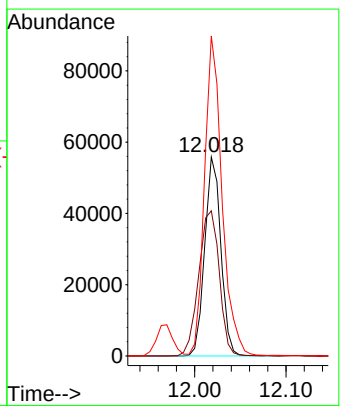


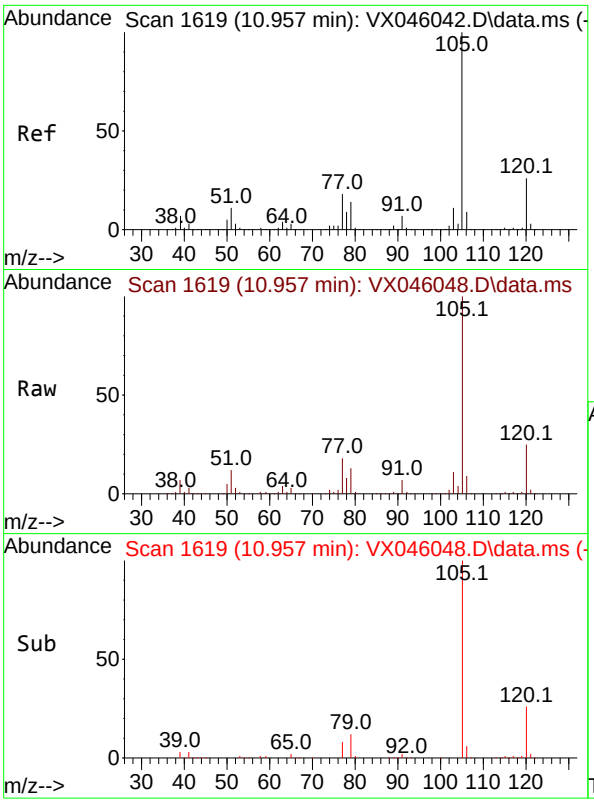


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



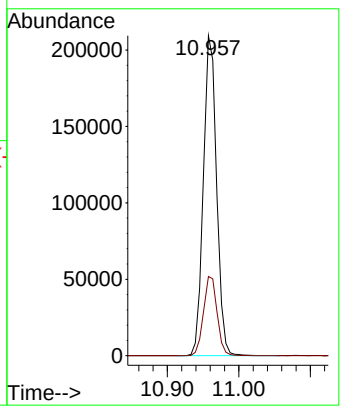


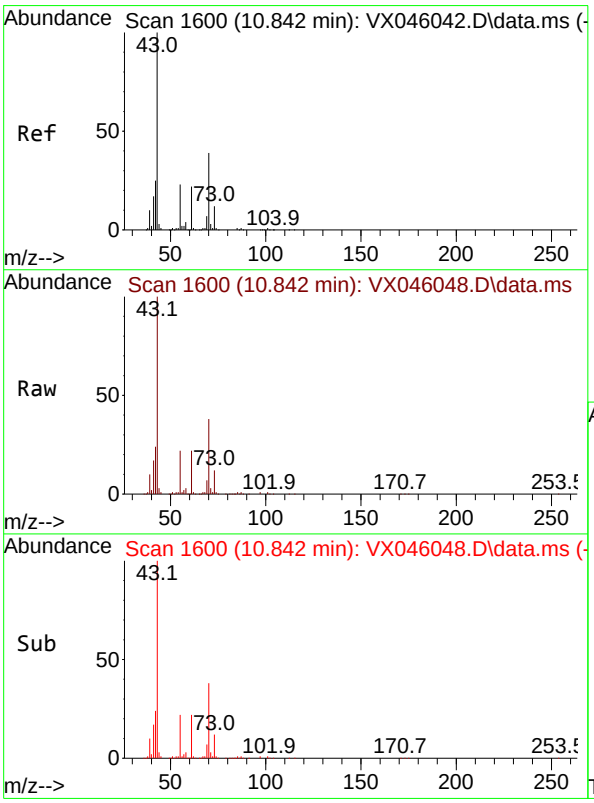
#73
Isopropylbenzene
Concen: 50.733 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:105 Resp: 269484

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

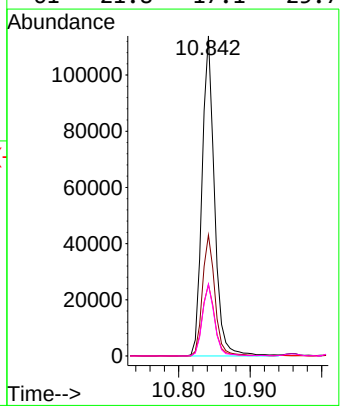


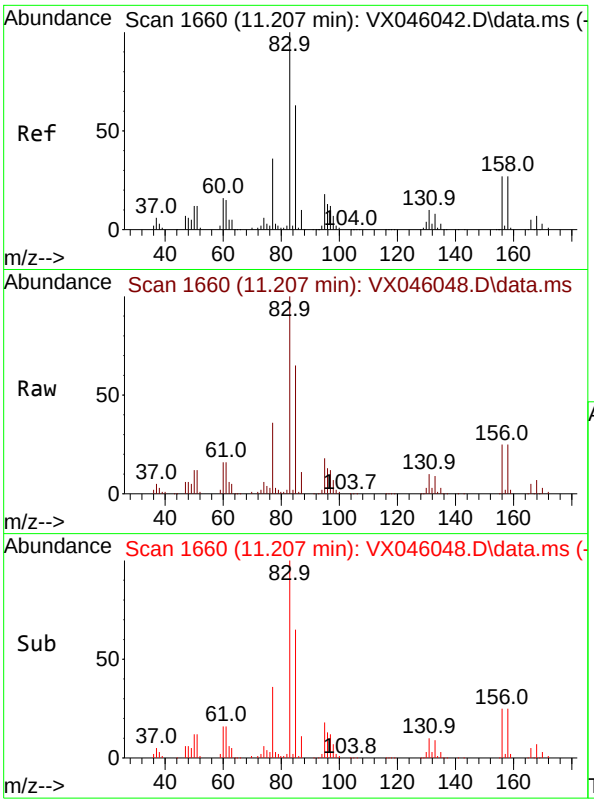


#74
N-amyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



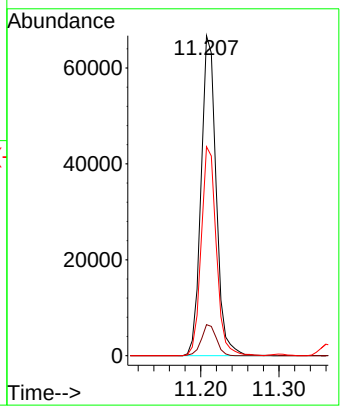


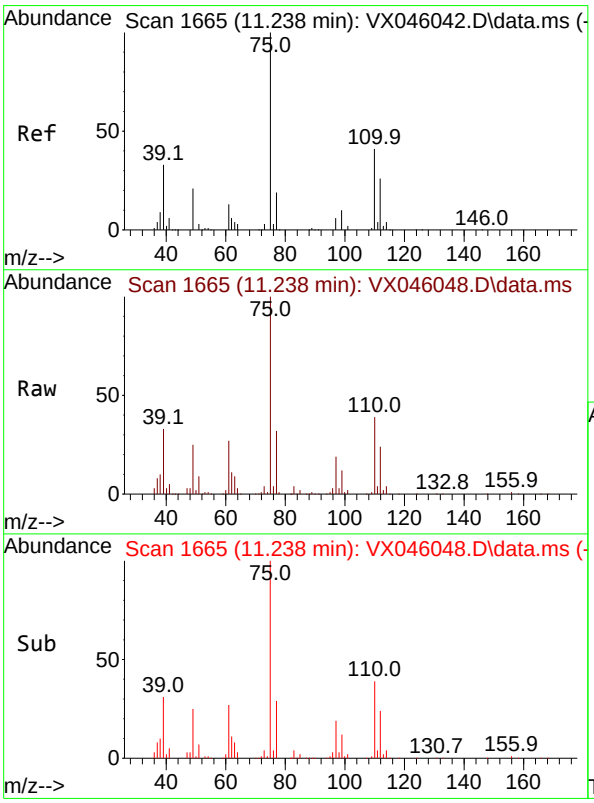
#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

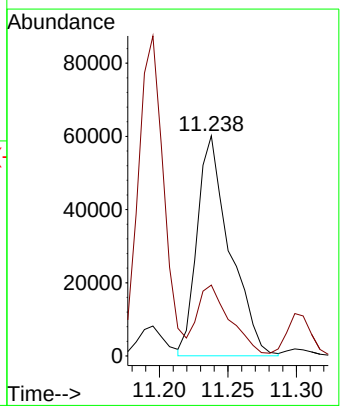


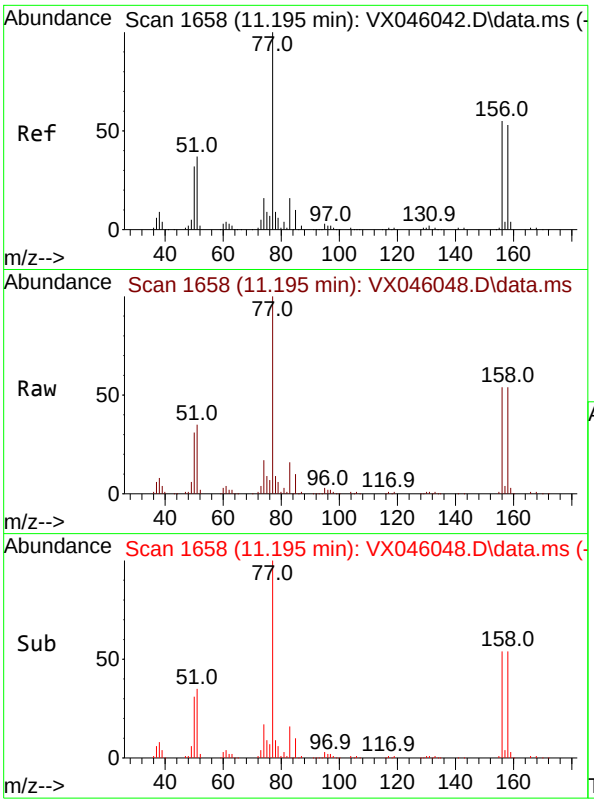


#76
1,2,3-Trichloropropane
Concen: 60.821 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 99886

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.5	61.5



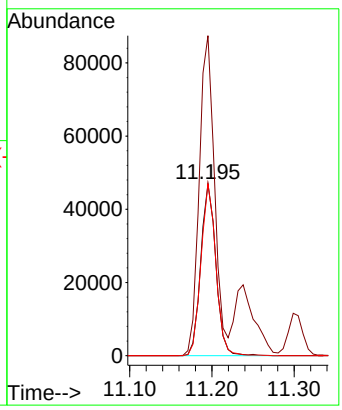


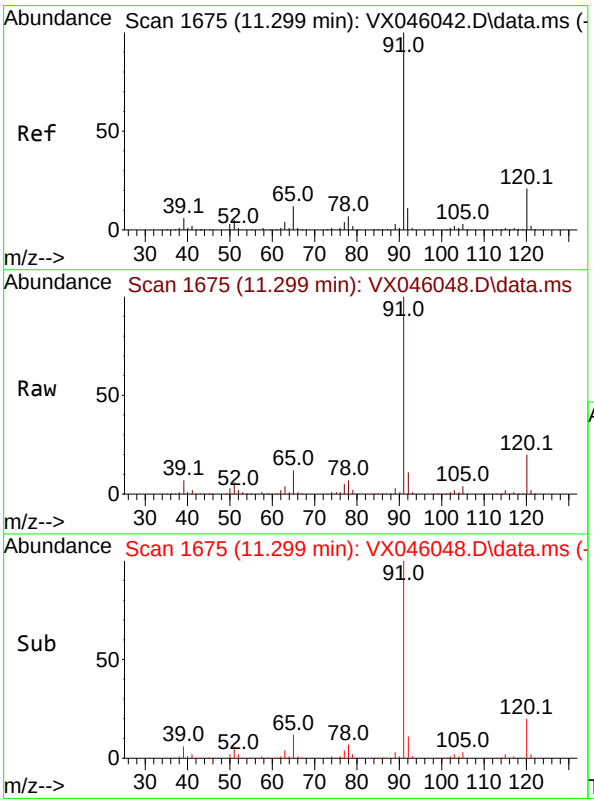
#77
Bromobenzene
Concen: 48.549 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

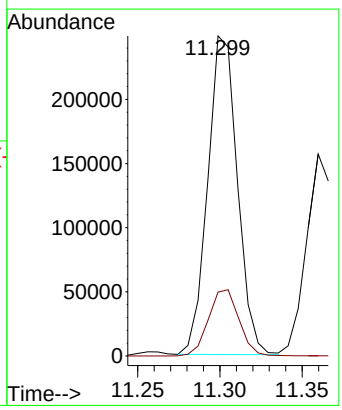


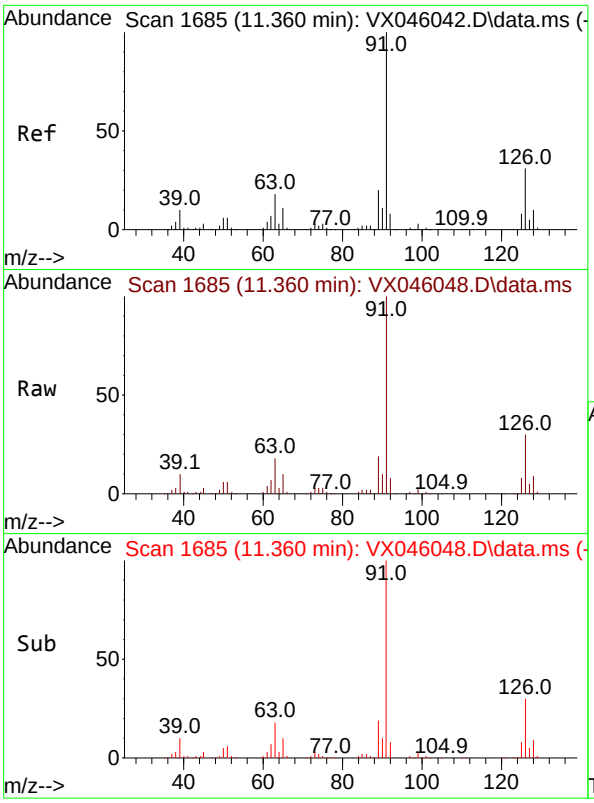


#78
n-propylbenzene
Concen: 50.562 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 312285

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4



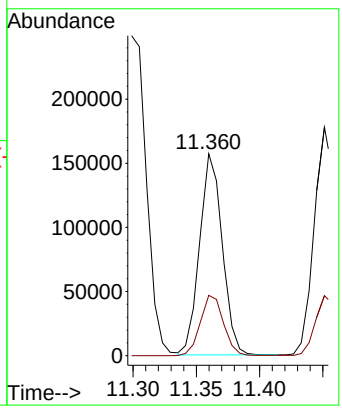


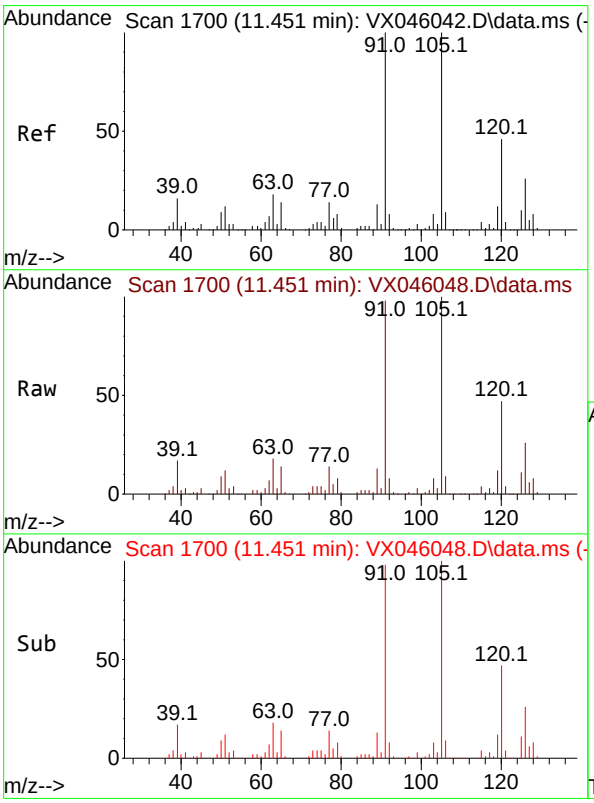
#79
2-Chlorotoluene
Concen: 49.107 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 91 Resp: 195630

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7

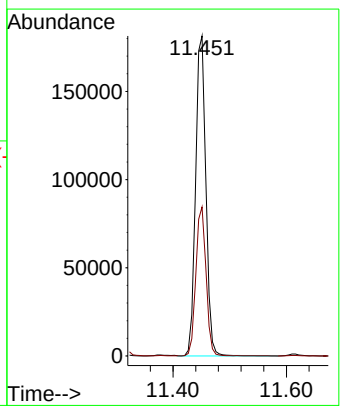


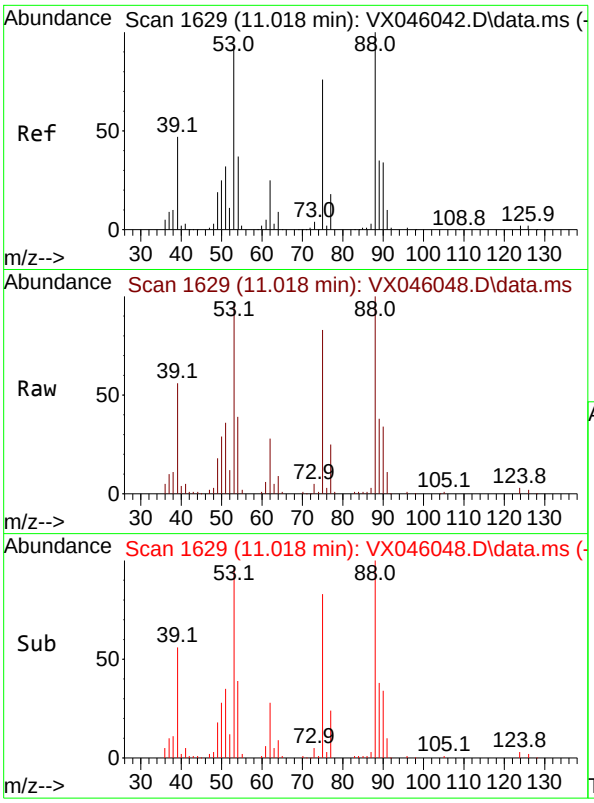


#80
1,3,5-Trimethylbenzene
Concen: 51.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 228538

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2



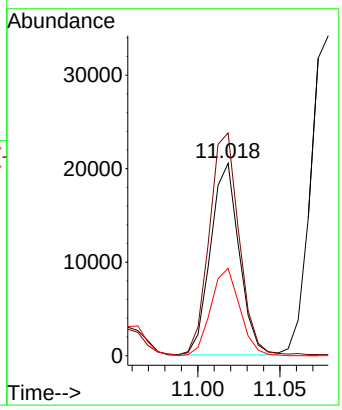


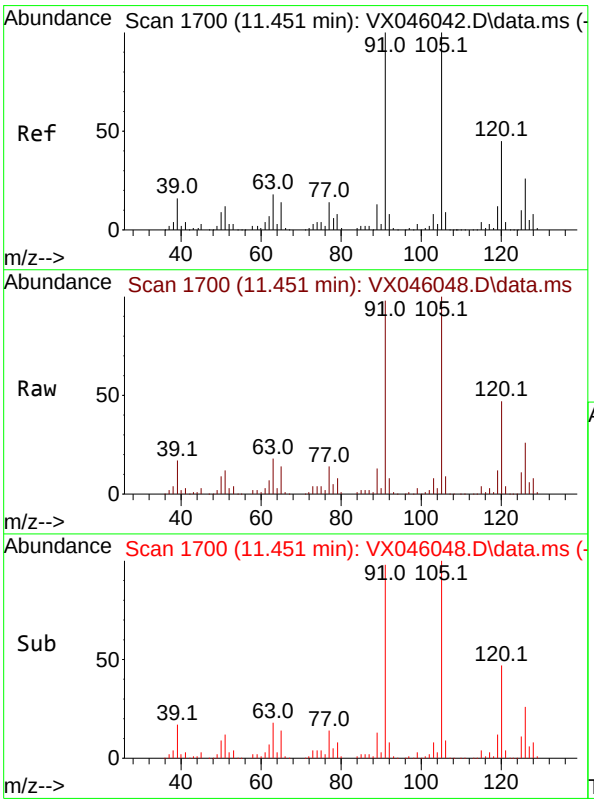
#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

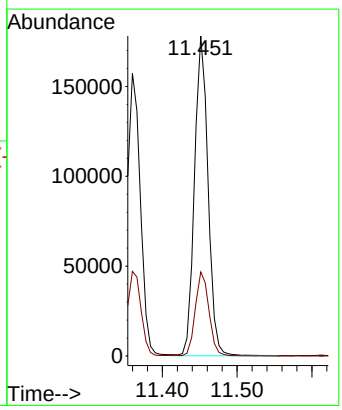


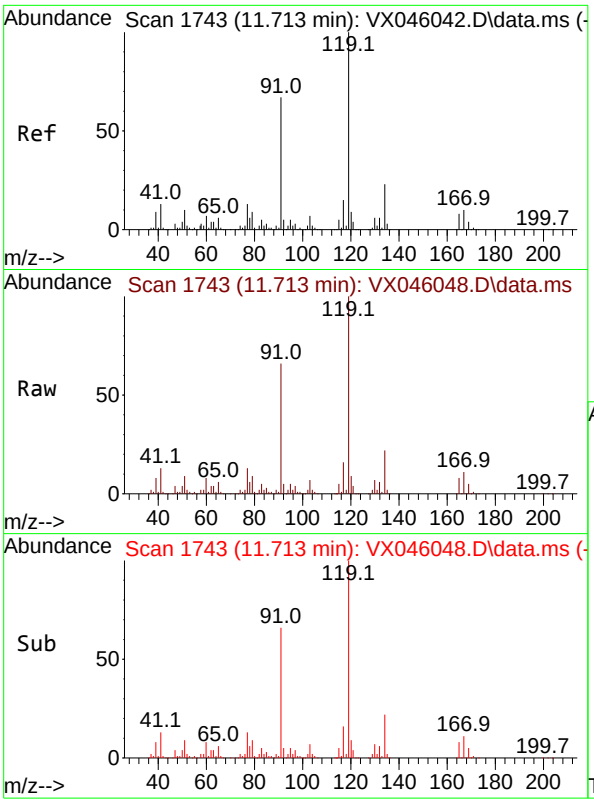


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8



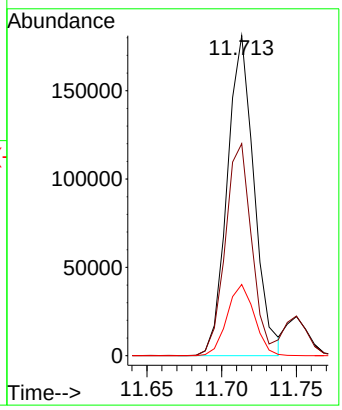


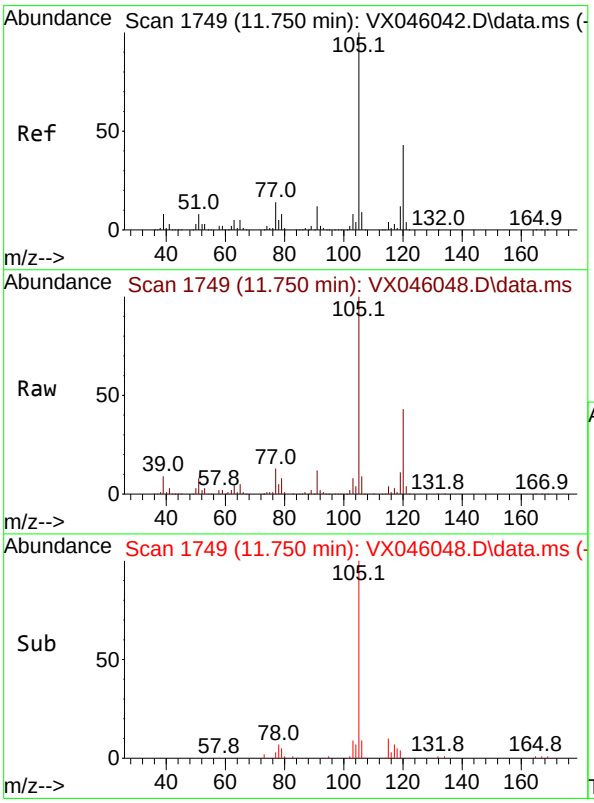
#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

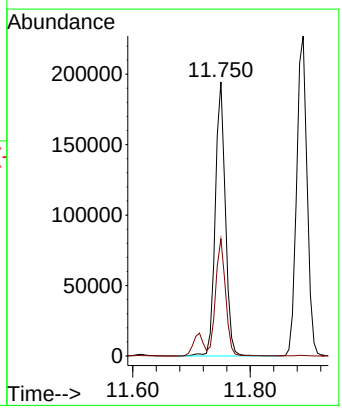


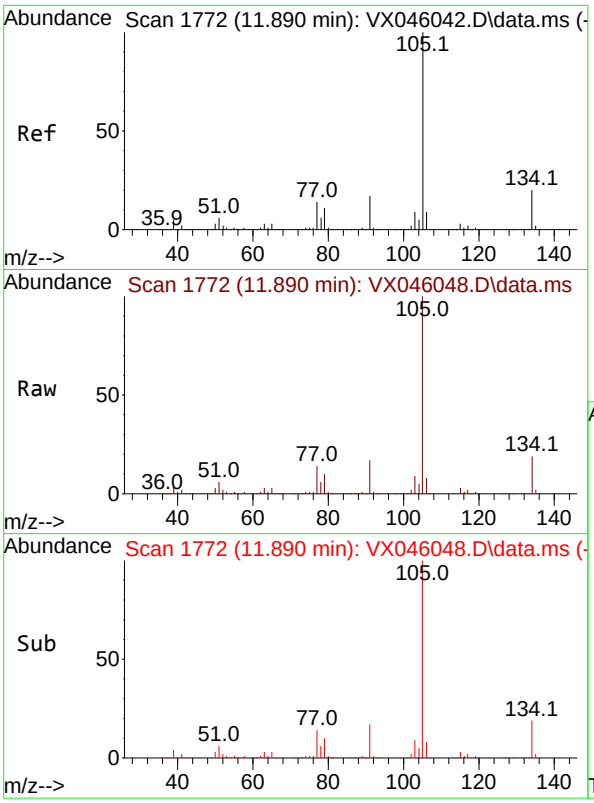


#84
1,2,4-Trimethylbenzene
Concen: 51.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 231371

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.2	63.6



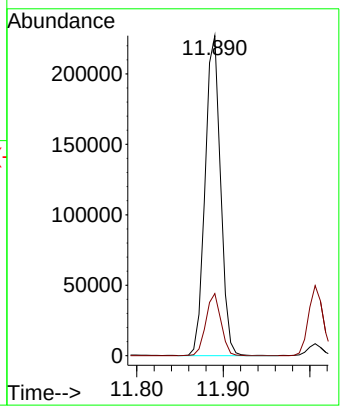


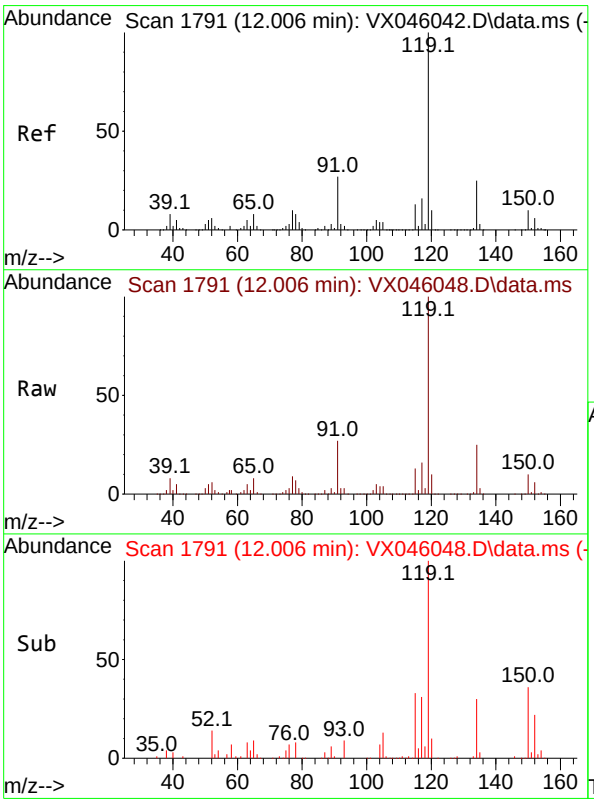
#85
sec-Butylbenzene
Concen: 51.122 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:105 Resp: 280578

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

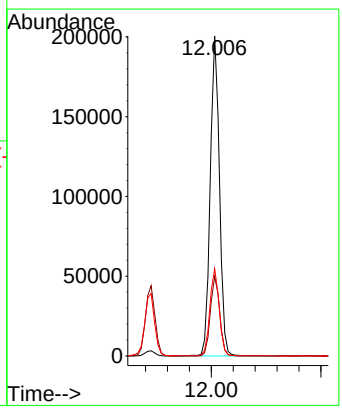


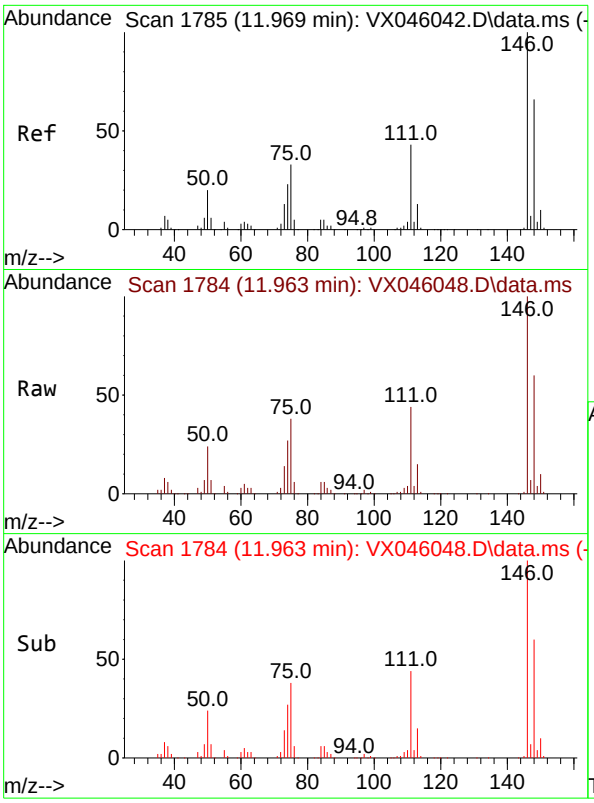


#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



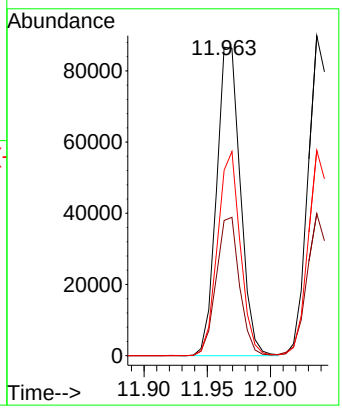


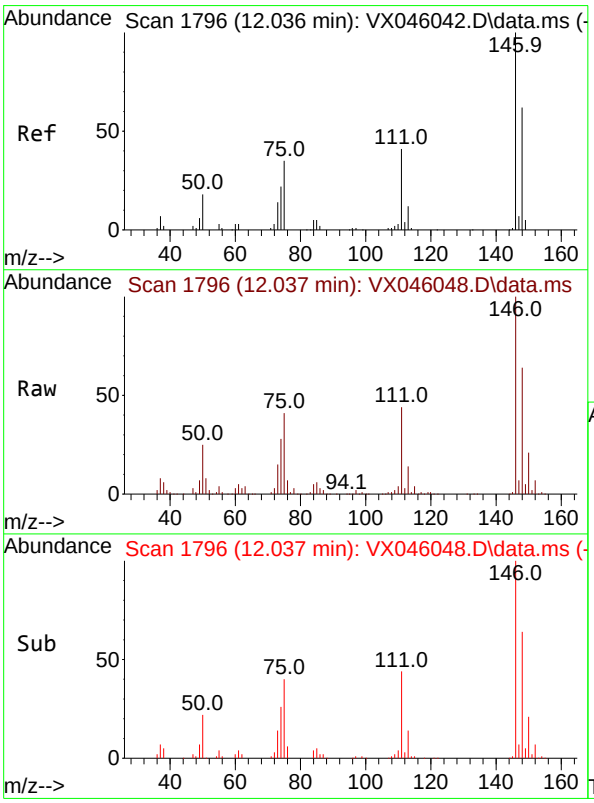
#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

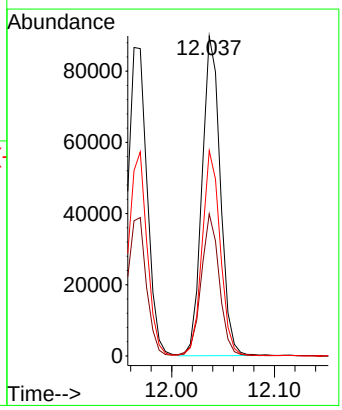


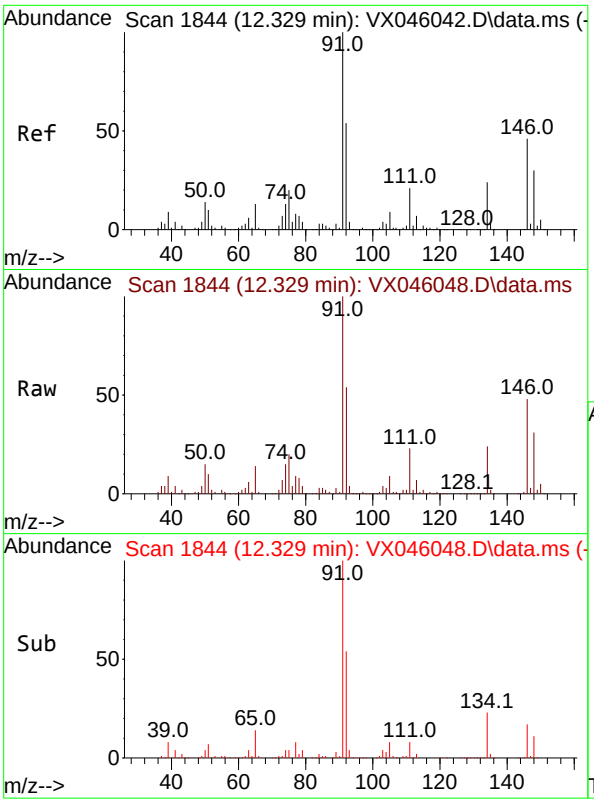


#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



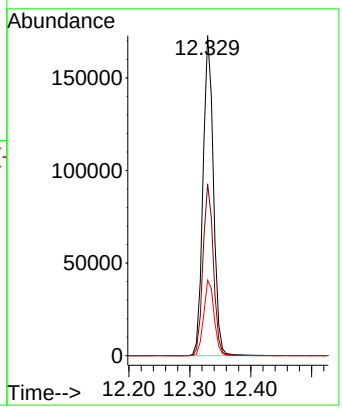


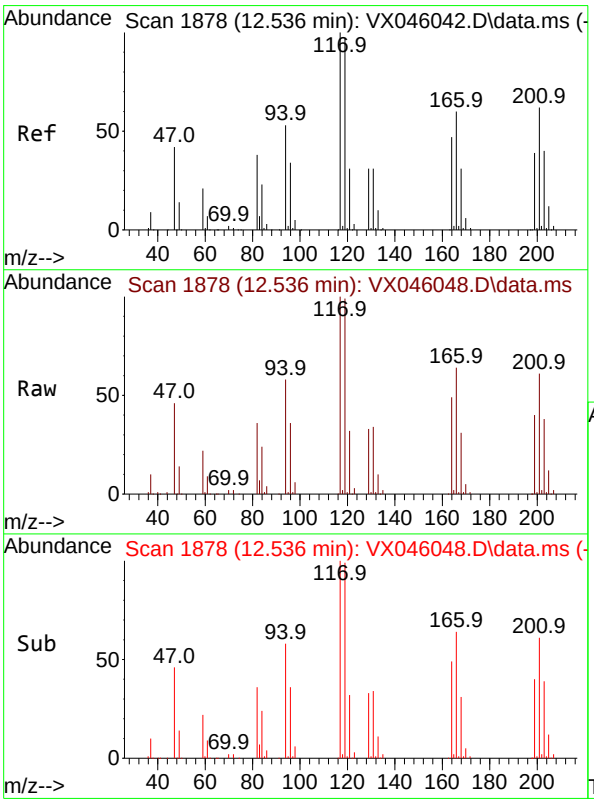
#89
n-Butylbenzene
Concen: 51.804 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

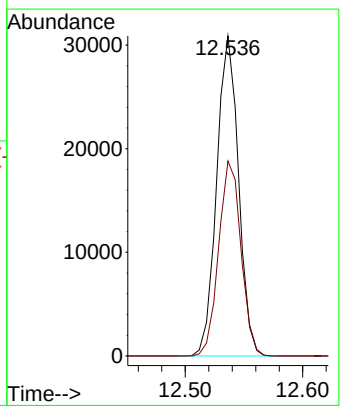


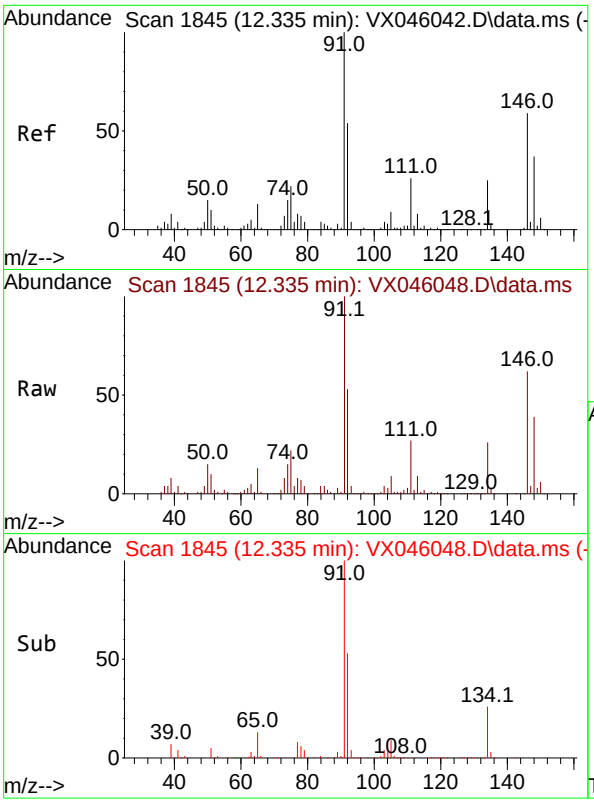


#90
Hexachloroethane
Concen: 49.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 39823

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.6	94.7



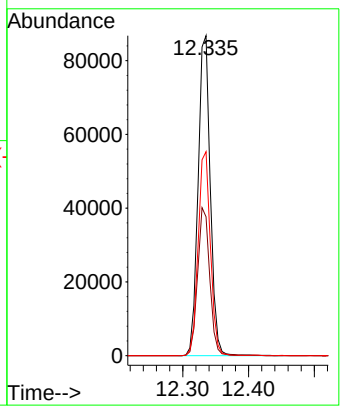


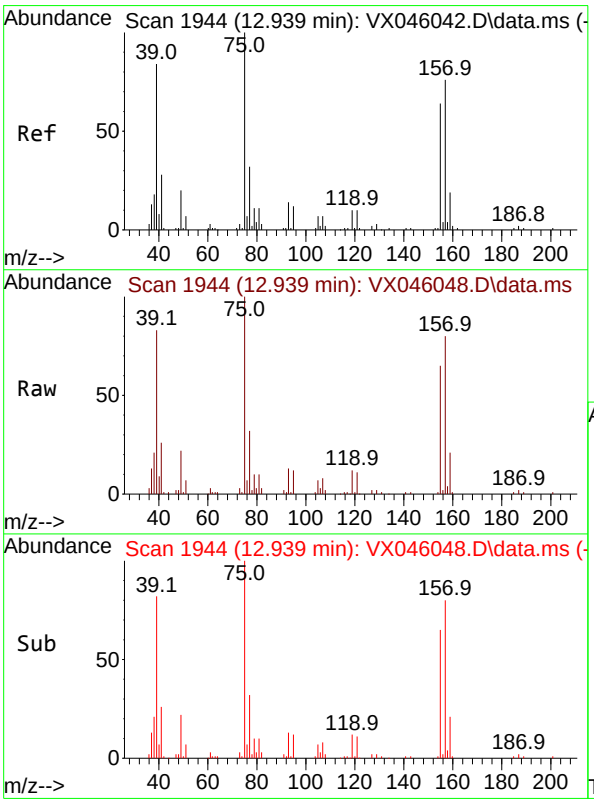
#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

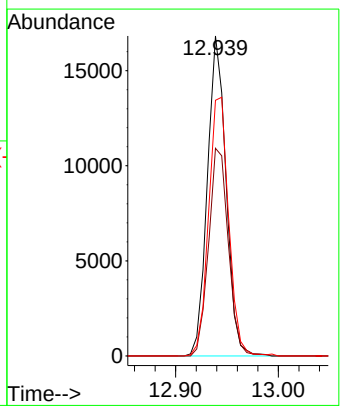


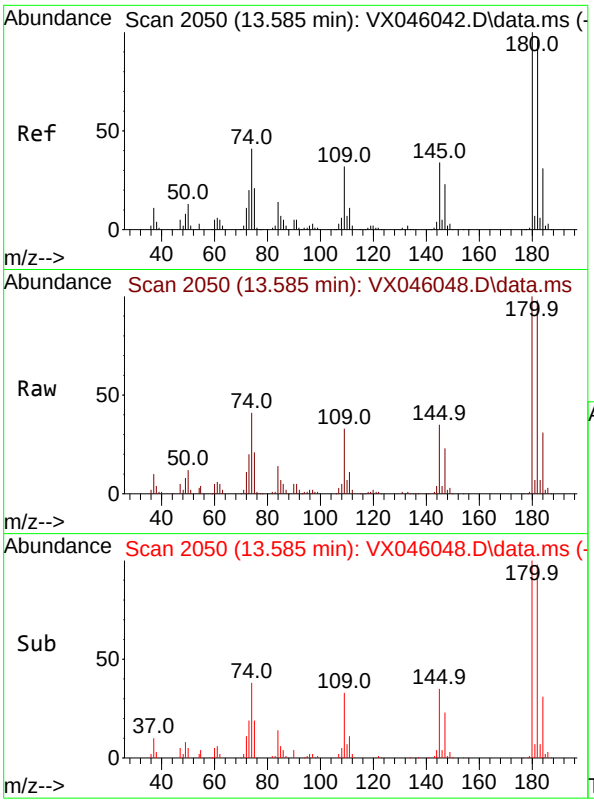


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



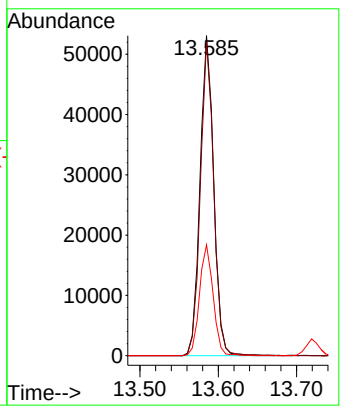


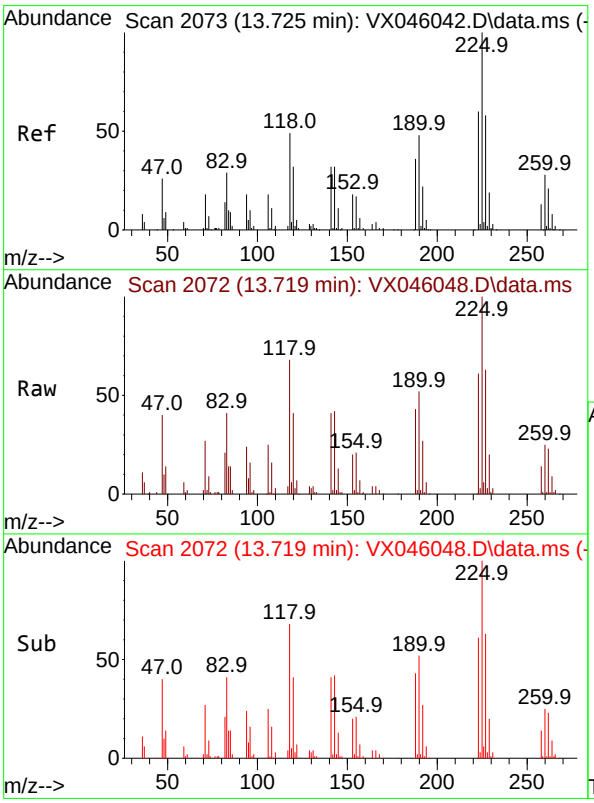
#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

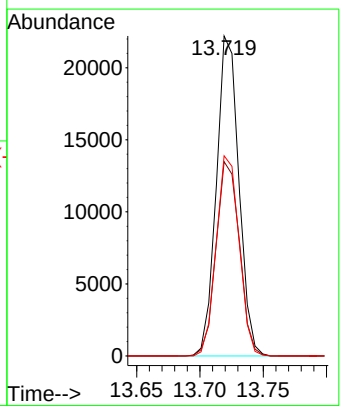


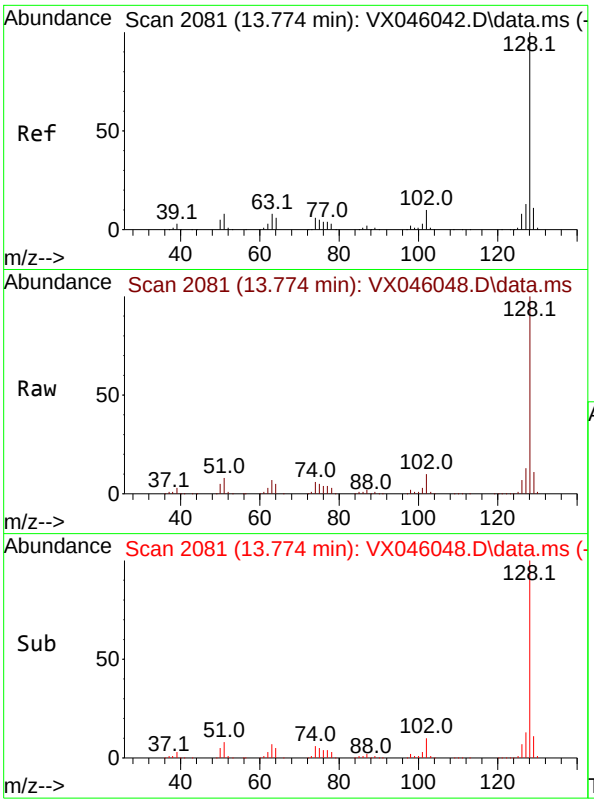


#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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



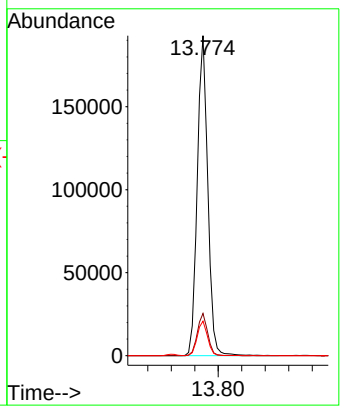


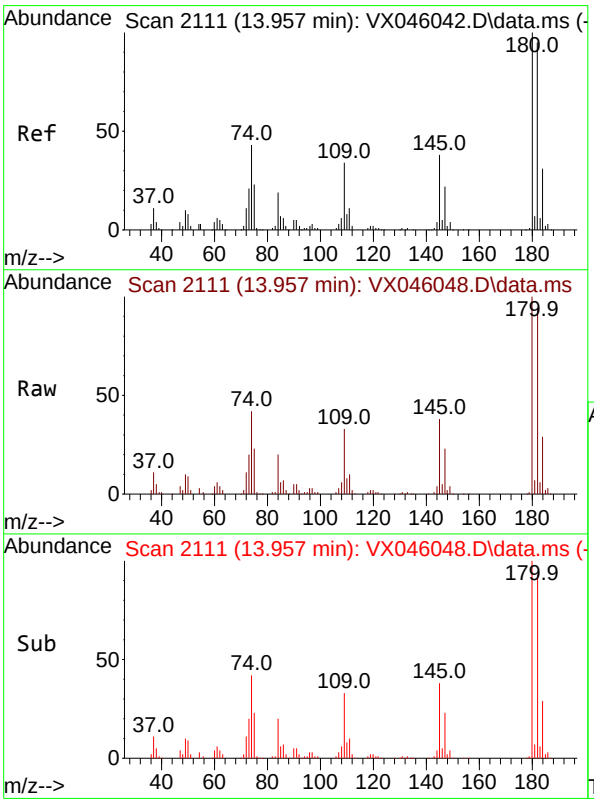
#95
Naphthalene
Concen: 50.404 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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

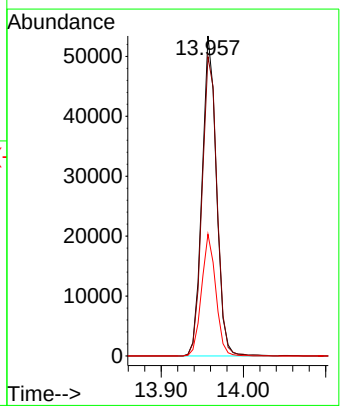




#96
1,2,3-Trichlorobenzene
Concen: 48.525 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

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\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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	79845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	140483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75112	50.459	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.920%			
35) Dibromofluoromethane	5.379	113	51380	50.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	8.641	98	170717	48.757	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.520%			
62) 4-Bromofluorobenzene	11.079	95	69053	51.414	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	56833	46.505	ug/l	98
3) Chloromethane	1.307	50	57048	48.137	ug/l	99
4) Vinyl Chloride	1.374	62	48804	44.248	ug/l	99
5) Bromomethane	1.593	94	22954	44.869	ug/l	93
6) Chloroethane	1.666	64	28967	49.195	ug/l	98
7) Trichlorofluoromethane	1.874	101	76531	46.949	ug/l	96
8) Diethyl Ether	2.130	74	28515	51.386	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	46263	45.860	ug/l	98
10) Methyl Iodide	2.441	142	55957	46.879	ug/l	100
11) Tert butyl alcohol	2.977	59	52732	252.367	ug/l	100
12) 1,1-Dichloroethene	2.306	96	42457	44.844	ug/l	97
13) Acrolein	2.233	56	86478	363.413	ug/l	100
14) Allyl chloride	2.654	41	92771	51.271	ug/l	96
15) Acrylonitrile	3.062	53	159896	267.618	ug/l	98
16) Acetone	2.380	43	151558	253.932	ug/l	100
17) Carbon Disulfide	2.502	76	95435	42.518	ug/l	100
18) Methyl Acetate	2.703	43	79721	57.561	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	176719	53.240	ug/l	100
20) Methylene Chloride	2.782	84	54884	47.986	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	45649	47.945	ug/l	99
22) Diisopropyl ether	3.757	45	186066	53.235	ug/l	96
23) Vinyl Acetate	3.715	43	832901	270.938	ug/l	100
24) 1,1-Dichloroethane	3.605	63	97500	50.084	ug/l	98
25) 2-Butanone	4.550	43	232783	268.650	ug/l	100
26) 2,2-Dichloropropane	4.465	77	73154	48.010	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	58063	50.657	ug/l	99
28) Bromochloromethane	4.891	49	48182	51.418	ug/l	99
29) Tetrahydrofuran	4.995	42	146017	268.925	ug/l	99
30) Chloroform	5.086	83	103726	51.119	ug/l	96
31) Cyclohexane	5.458	56	78834	44.439	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	86131	48.968	ug/l	99
36) 1,1-Dichloropropene	5.684	75	63999	47.085	ug/l	99
37) Ethyl Acetate	4.708	43	86942	51.772	ug/l	99
38) Carbon Tetrachloride	5.666	117	71651	46.917	ug/l	99
39) Methylcyclohexane	7.373	83	78483	44.850	ug/l	99
40) Benzene	6.025	78	196502	49.356	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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	49819	56.711	ug/l		98
42) 1,2-Dichloroethane	6.080	62	89054	51.827	ug/l		99
43) Isopropyl Acetate	6.336	43	138141	53.921	ug/l		100
44) Trichloroethene	7.117	130	46123	48.134	ug/l		99
45) 1,2-Dichloropropane	7.421	63	52081	52.609	ug/l		100
46) Dibromomethane	7.574	93	40833	52.296	ug/l		99
47) Bromodichloromethane	7.818	83	82190	53.445	ug/l		96
48) Methyl methacrylate	7.690	41	71677	54.783	ug/l		100
49) 1,4-Dioxane	7.659	88	26335	1060.072	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	471283	277.135	ug/l		99
52) Toluene	8.714	92	122389	50.134	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	75119	54.955	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	81846	54.175	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	51510	53.511	ug/l		97
56) Ethyl methacrylate	9.110	69	86310	56.258	ug/l		99
57) 1,3-Dichloropropane	9.305	76	90587	52.400	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	213841	273.403	ug/l		99
59) 2-Hexanone	9.427	43	351840	279.654	ug/l		100
60) Dibromochloromethane	9.519	129	58754	55.578	ug/l		99
61) 1,2-Dibromoethane	9.604	107	53563	53.537	ug/l		97
64) Tetrachloroethene	9.269	164	41562	46.025	ug/l		98
65) Chlorobenzene	10.073	112	135968	48.673	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	48145	50.472	ug/l		100
67) Ethyl Benzene	10.189	91	238829	48.501	ug/l		99
68) m/p-Xylenes	10.299	106	176993	98.275	ug/l		97
69) o-Xylene	10.640	106	87589	49.886	ug/l		98
70) Styrene	10.653	104	151684	52.738	ug/l		99
71) Bromoform	10.799	173	38476	53.725	ug/l	#	96
73) Isopropylbenzene	10.957	105	230998	47.190	ug/l		100
74) N-amyl acetate	10.841	43	122108	50.481	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	83590	48.729	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	92177	60.905	ug/l		87
77) Bromobenzene	11.195	156	55464	48.804	ug/l		98
78) n-propylbenzene	11.299	91	269850	47.411	ug/l		99
79) 2-Chlorotoluene	11.360	91	171147	46.619	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	199182	48.706	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	22862	49.180	ug/l		98
82) 4-Chlorotoluene	11.451	91	199920	49.106	ug/l		99
83) tert-Butylbenzene	11.713	119	196965	47.815	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	204684	49.424	ug/l		99
85) sec-Butylbenzene	11.890	105	243197	48.084	ug/l		99
86) p-Isopropyltoluene	12.006	119	202544	48.515	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	102510	49.424	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	102366	48.327	ug/l		100
89) n-Butylbenzene	12.329	91	180561	49.306	ug/l		99
90) Hexachloroethane	12.536	117	35781	48.648	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	104120	50.026	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20011	52.658	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	60954	50.990	ug/l		97
94) Hexachlorobutadiene	13.719	225	24369	46.676	ug/l		98
95) Naphthalene	13.774	128	219899	50.155	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	63516	51.494	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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

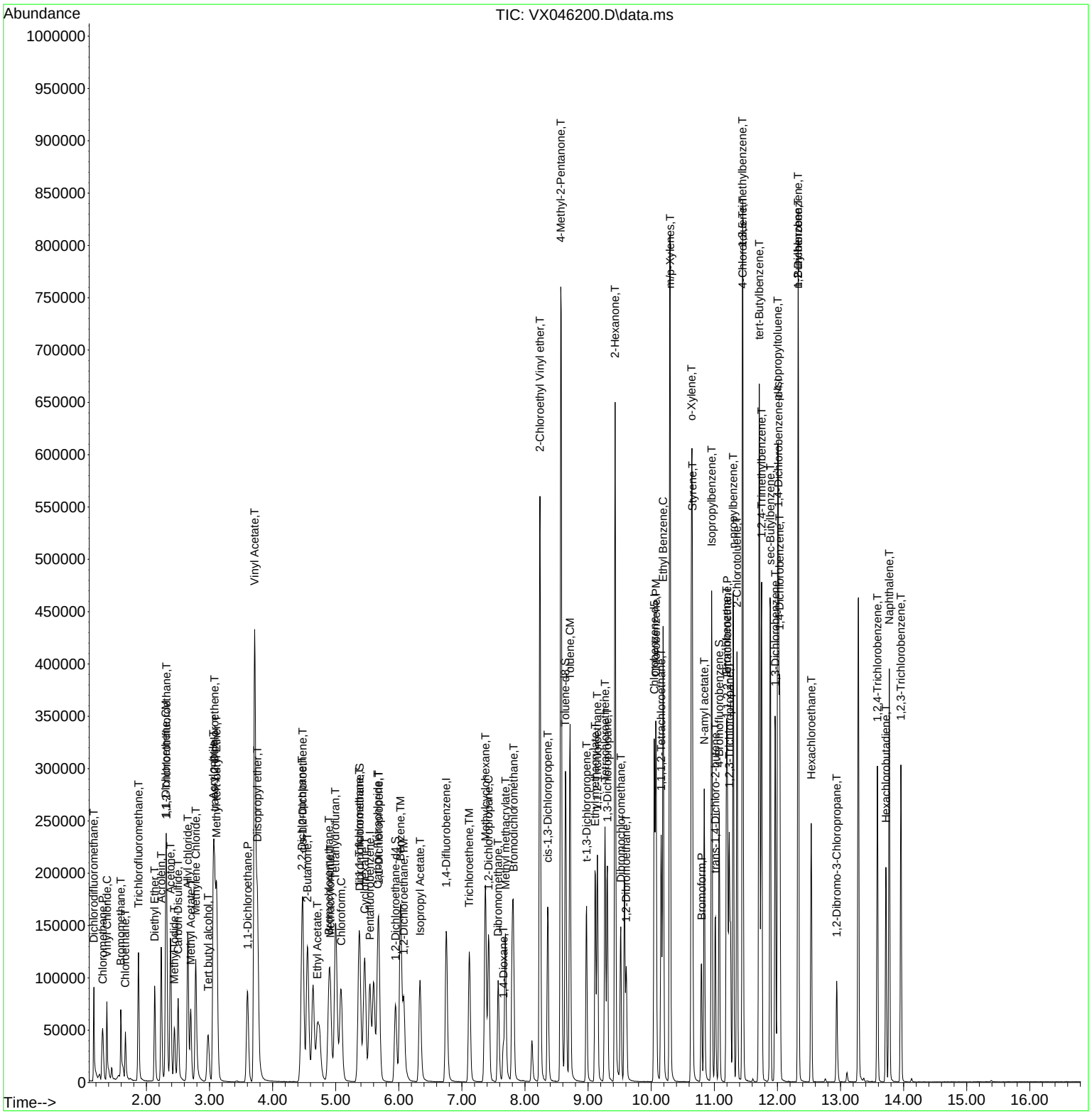
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

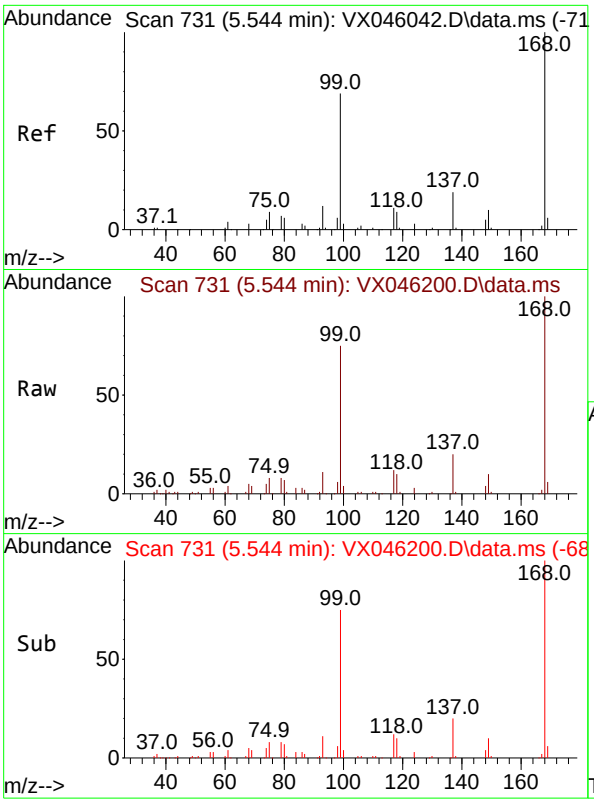
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
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 16 00:58:01 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



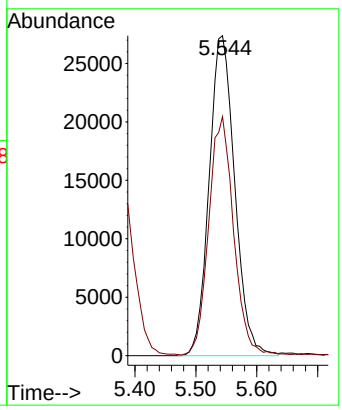


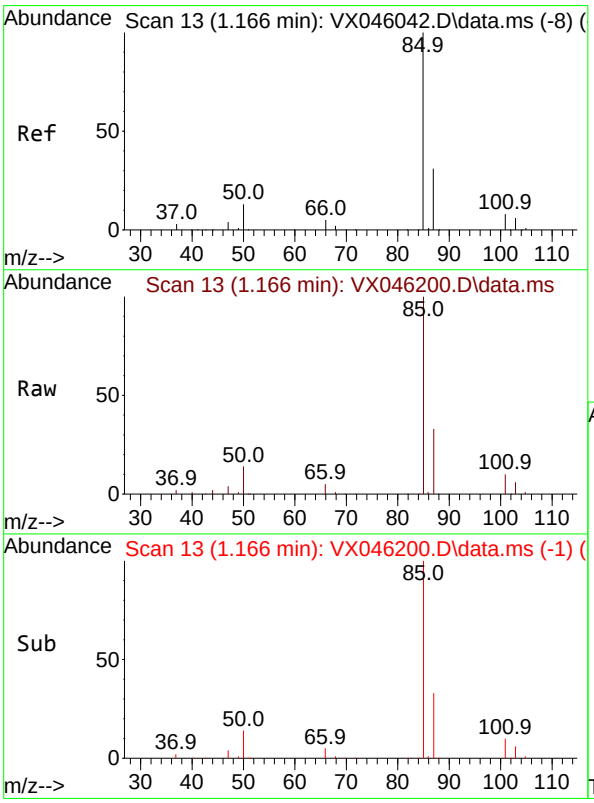
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 79845

Ion	Ratio	Lower	Upper
168	100		
99	74.3	54.9	82.3

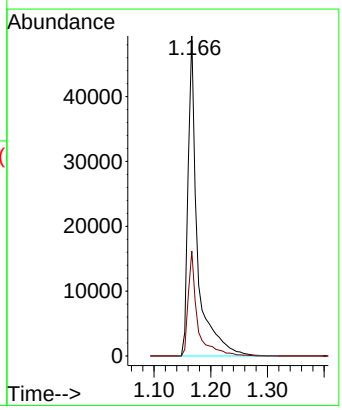


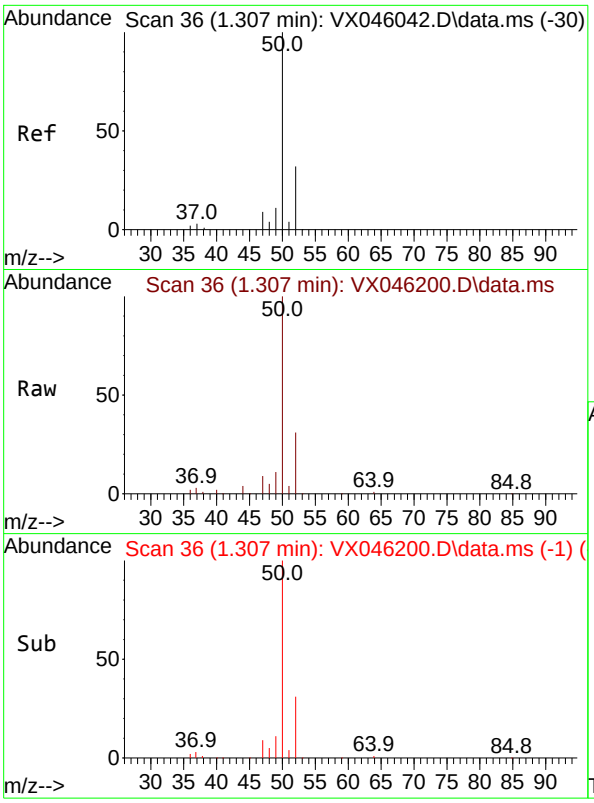


#2
Dichlorodifluoromethane
Concen: 46.505 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 85 Resp: 56833

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.7	47.1



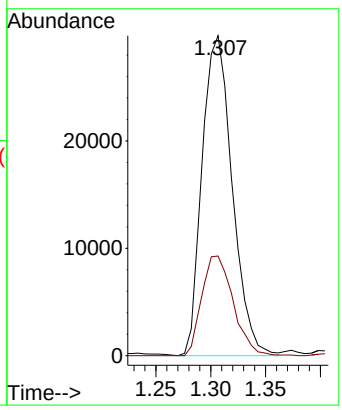


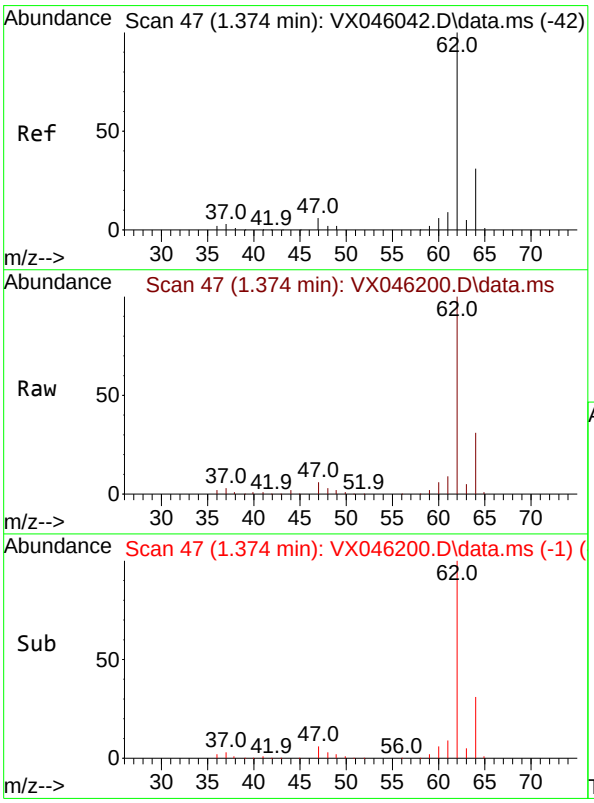
#3
Chloromethane
Concen: 48.137 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 57048

Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.4	38.2

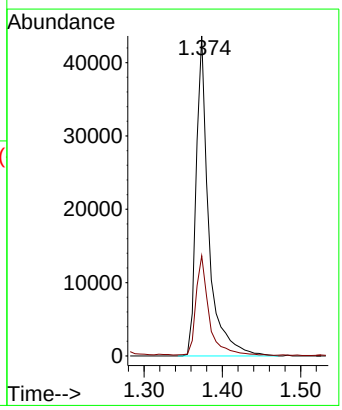


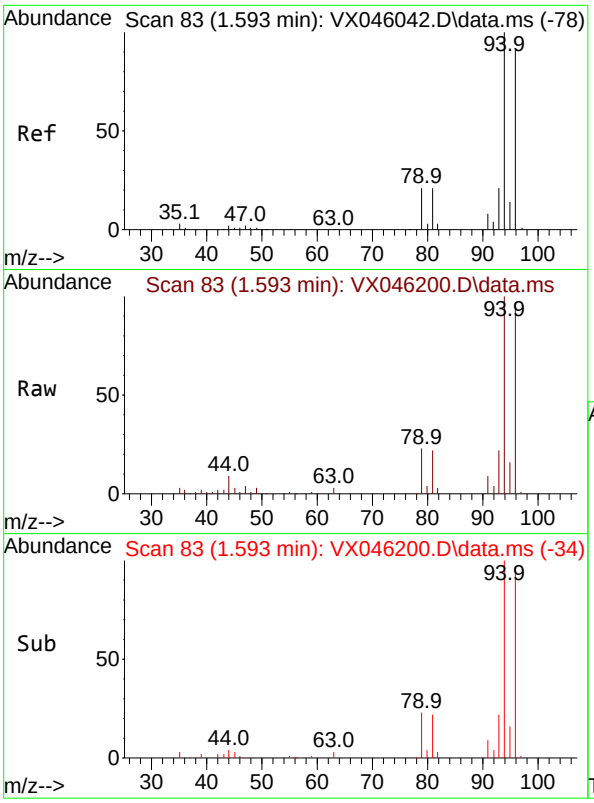


#4
Vinyl Chloride
Concen: 44.248 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 62 Resp: 48804

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.2	37.8



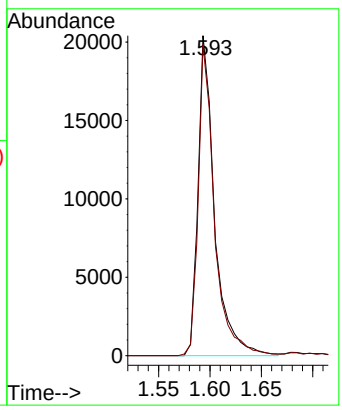


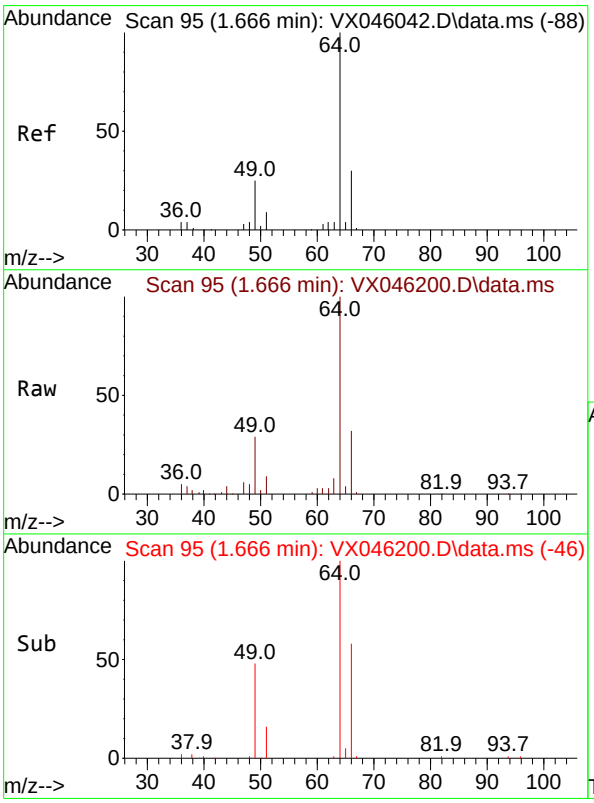
#5
Bromomethane
Concen: 44.869 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 22954

Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.8	109.2

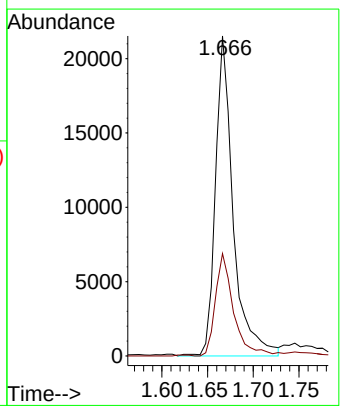


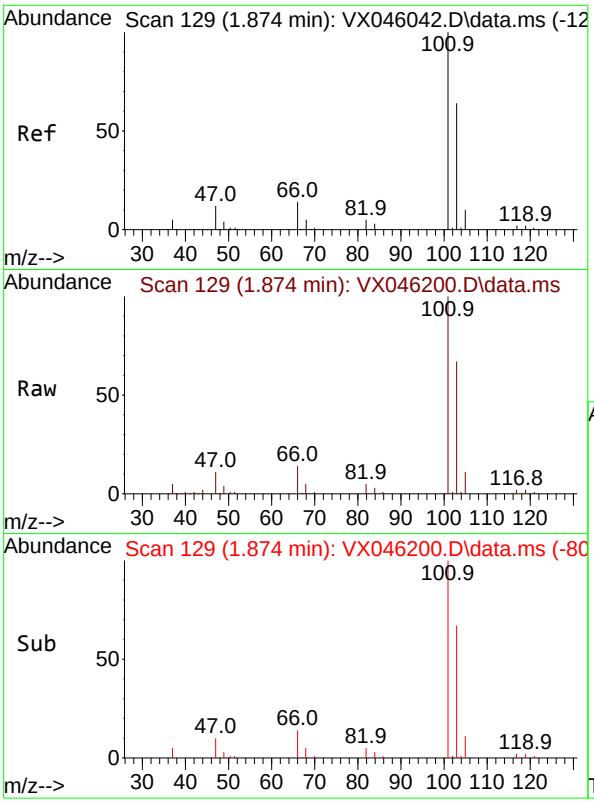


#6
Chloroethane
Concen: 49.195 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 64 Resp: 28967

Ion	Ratio	Lower	Upper
64	100		
66	31.7	24.3	36.5



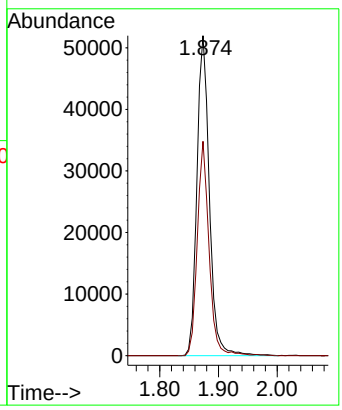


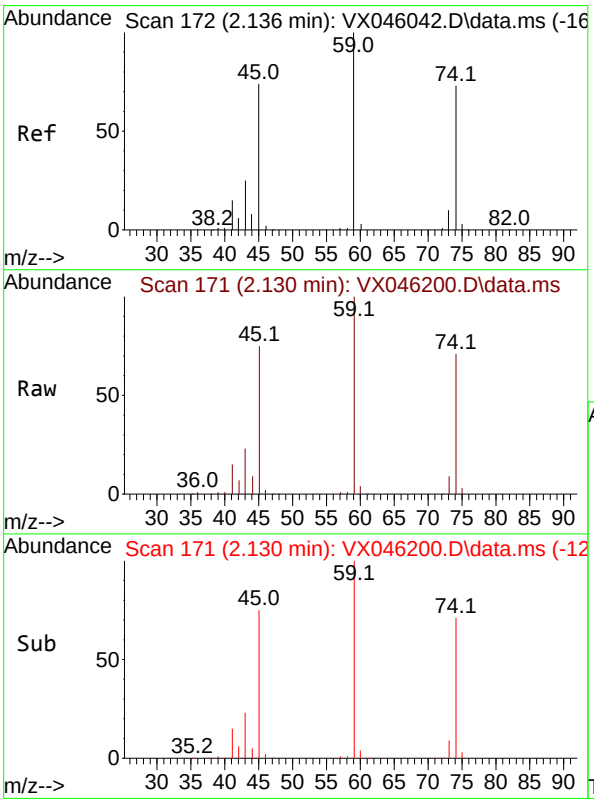
#7
Trichlorofluoromethane
Concen: 46.949 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 76531

Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.0	76.4

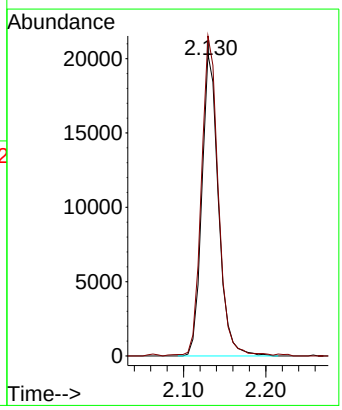


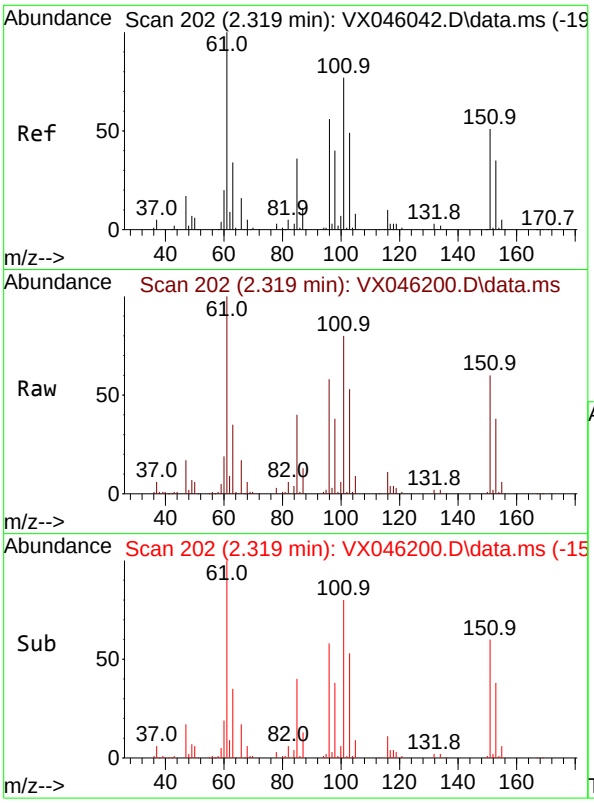


#8
Diethyl Ether
Concen: 51.386 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 74 Resp: 28515

Ion	Ratio	Lower	Upper
74	100		
45	108.6	54.9	164.8



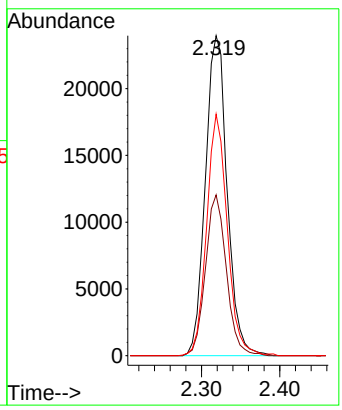


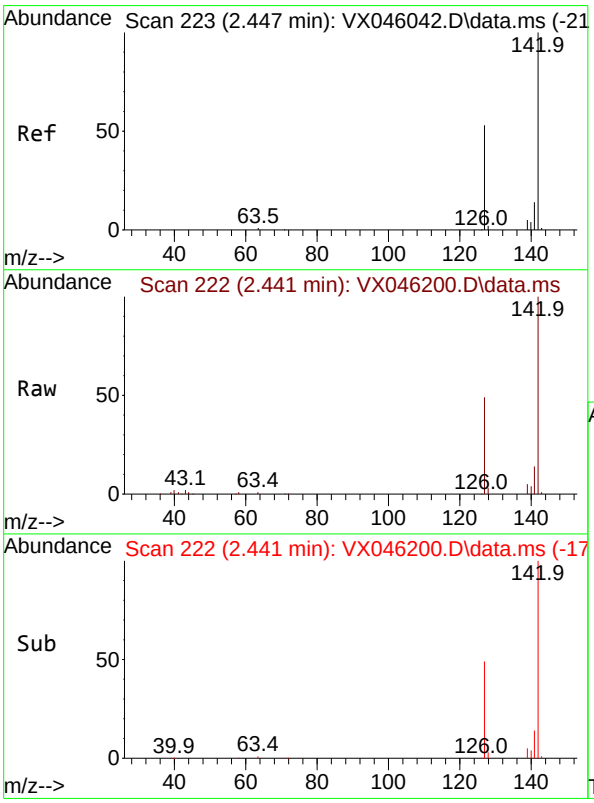
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.860 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 46263

Ion	Ratio	Lower	Upper
101	100		
85	48.2	38.6	58.0
151	71.7	55.2	82.8

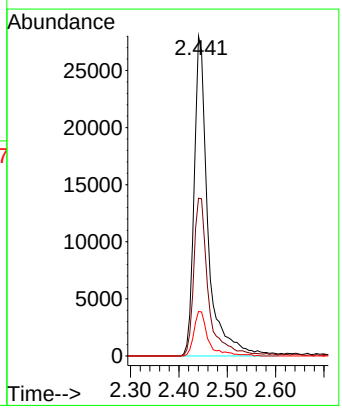


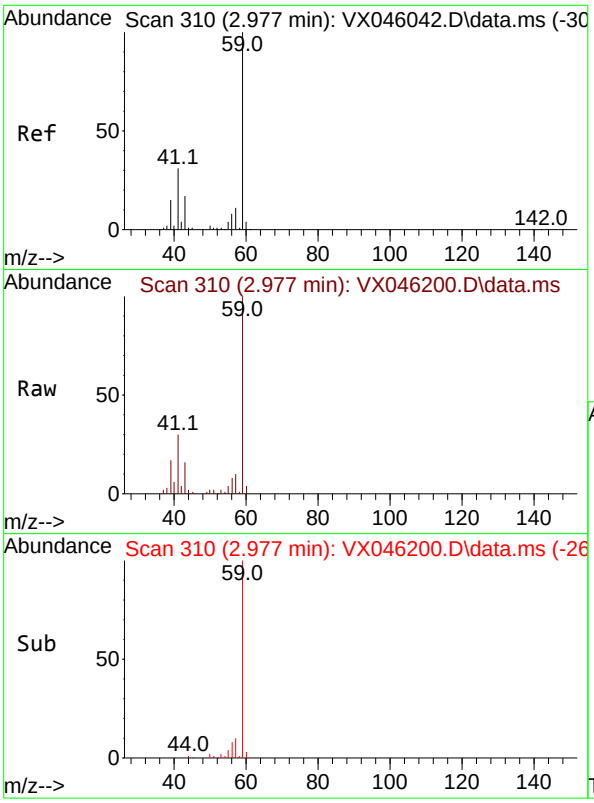


#10
Methyl Iodide
Concen: 46.879 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:142 Resp: 55957

Ion	Ratio	Lower	Upper
142	100		
127	51.9	41.7	62.5
141	14.1	11.5	17.3



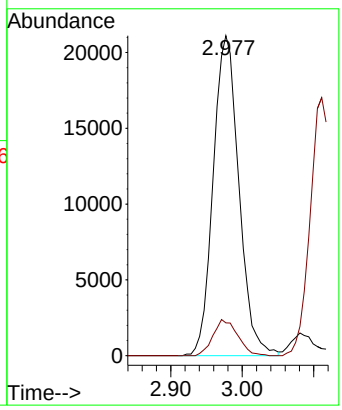


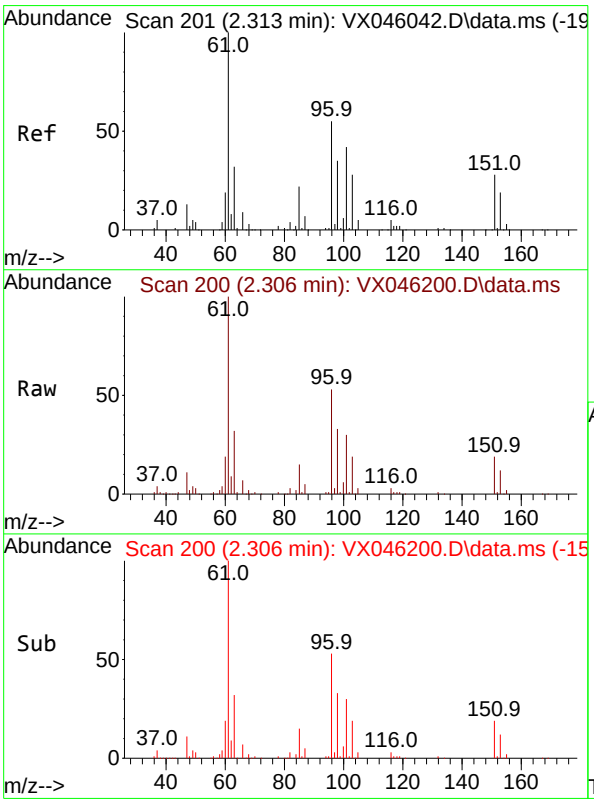
#11
Tert butyl alcohol
Concen: 252.367 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 52732

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

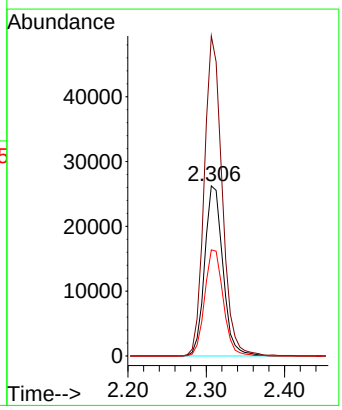


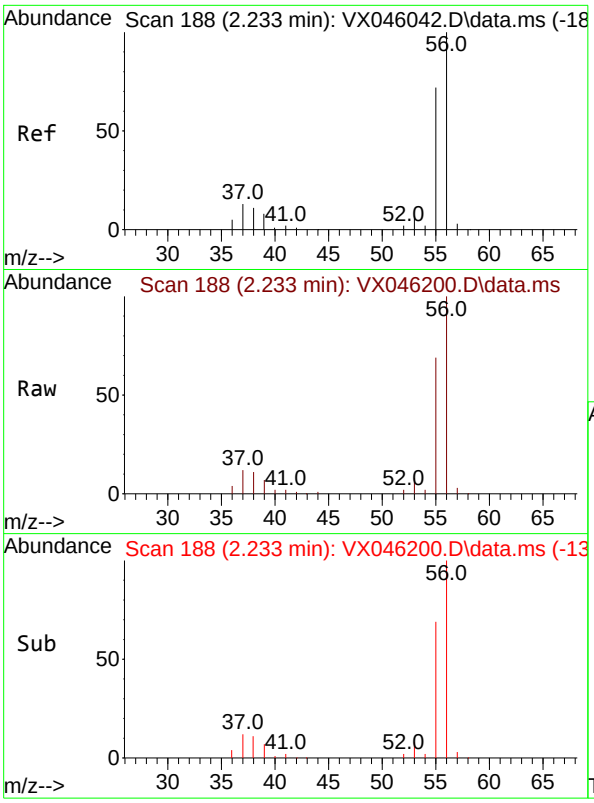


#12
1,1-Dichloroethene
Concen: 44.844 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 96 Resp: 42457

Ion	Ratio	Lower	Upper
96	100		
61	188.1	146.2	219.2
98	62.4	51.0	76.6



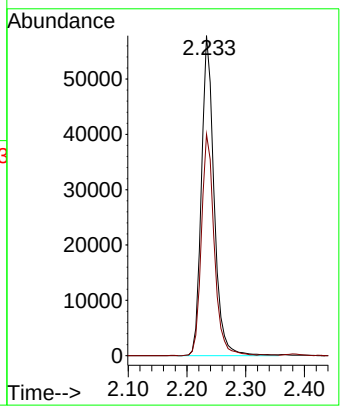


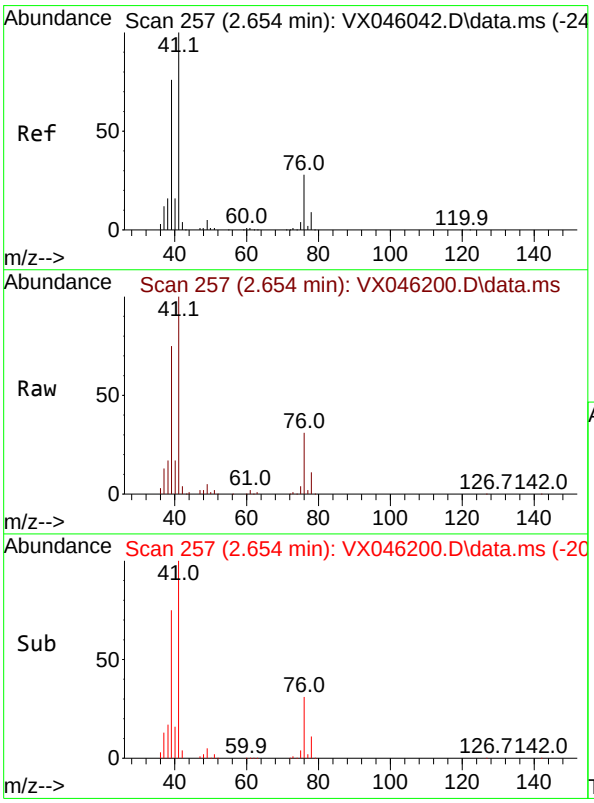
#13
Acrolein
Concen: 363.413 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 86478

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.4

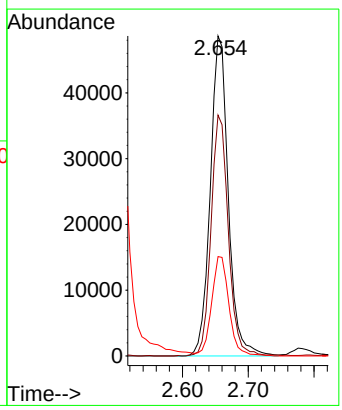


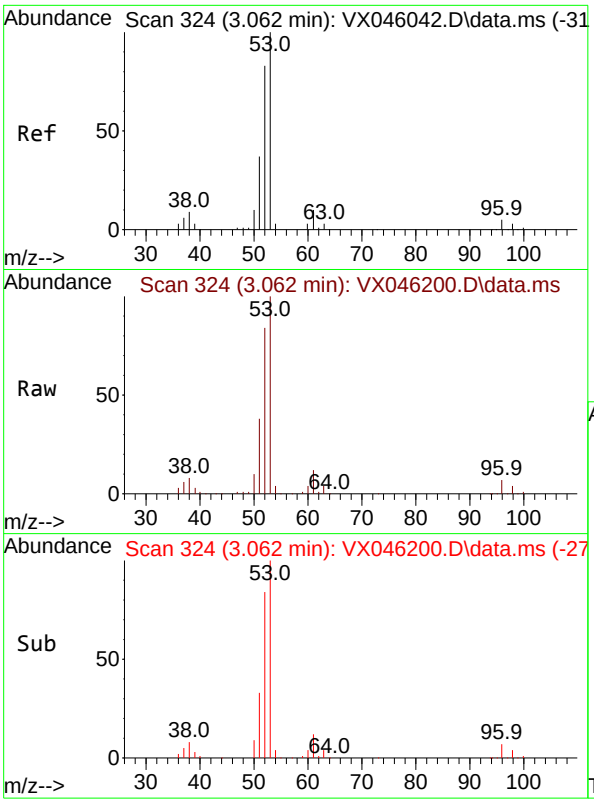


#14
Allyl chloride
Concen: 51.271 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 41 Resp: 92771

Ion	Ratio	Lower	Upper
41	100		
39	72.2	60.6	90.8
76	29.9	24.9	37.3



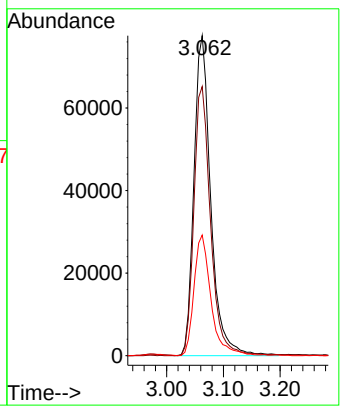


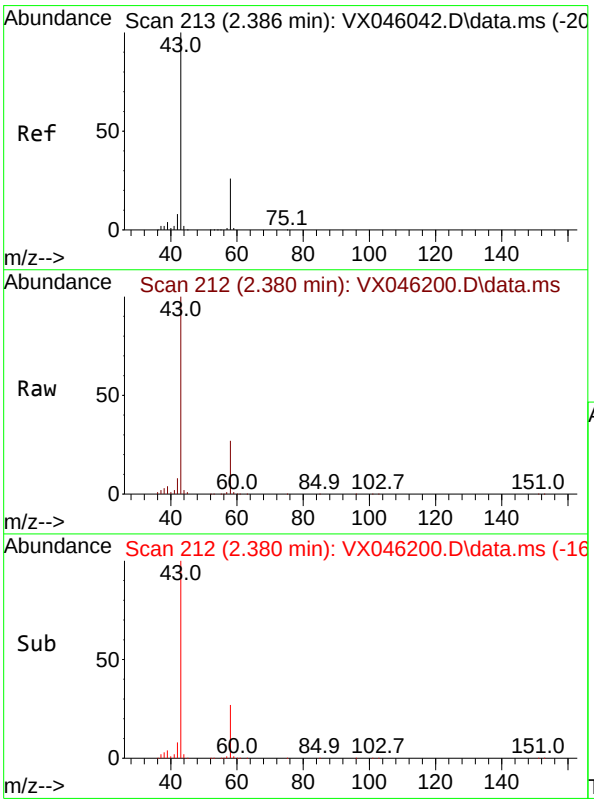
#15
Acrylonitrile
Concen: 267.618 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 159896

Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.3	97.9
51	38.3	29.8	44.8

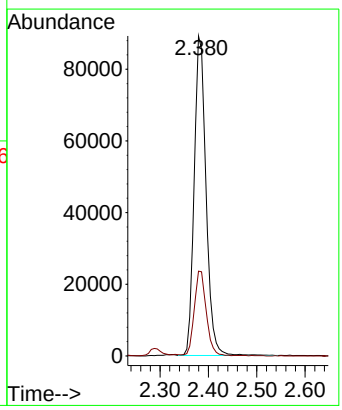


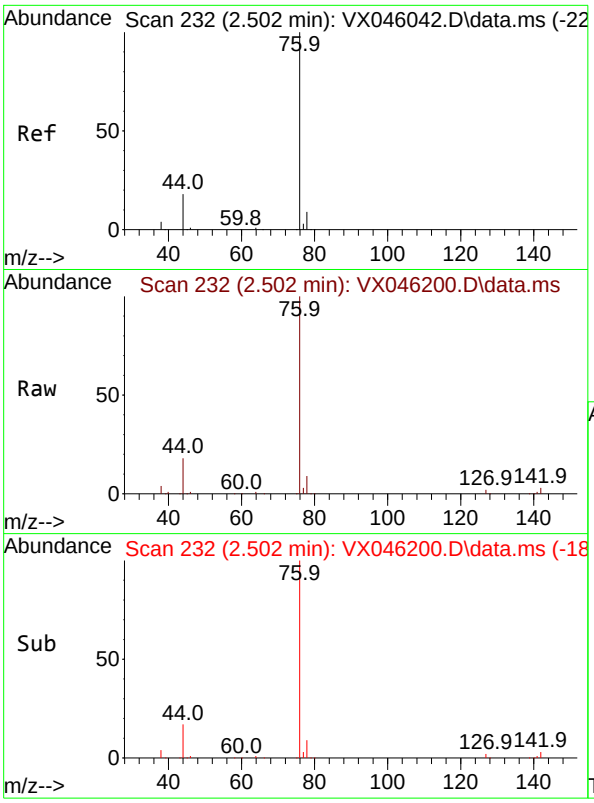


#16
Acetone
Concen: 253.932 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 151558

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8



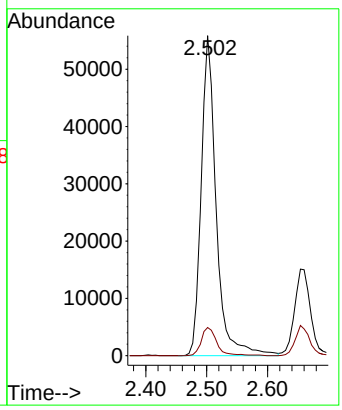


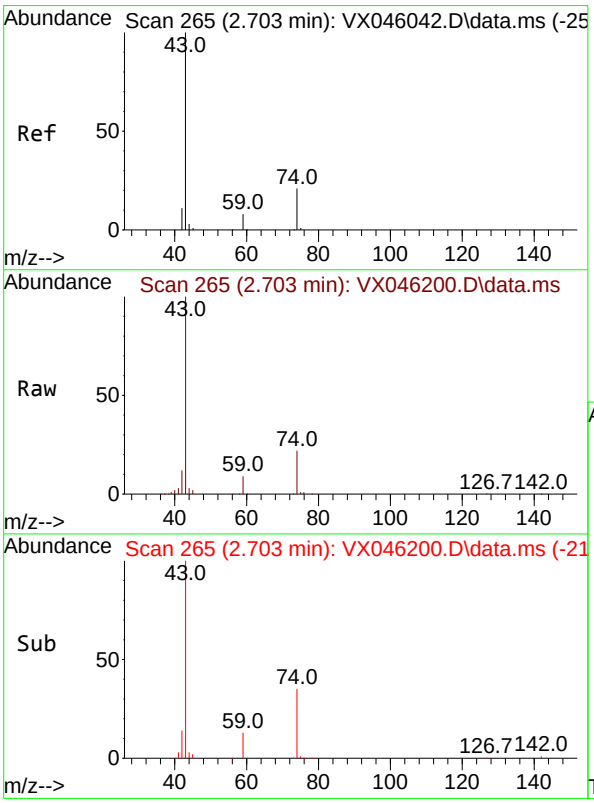
#17
Carbon Disulfide
Concen: 42.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 95435

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

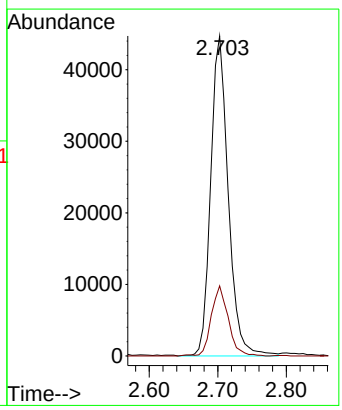


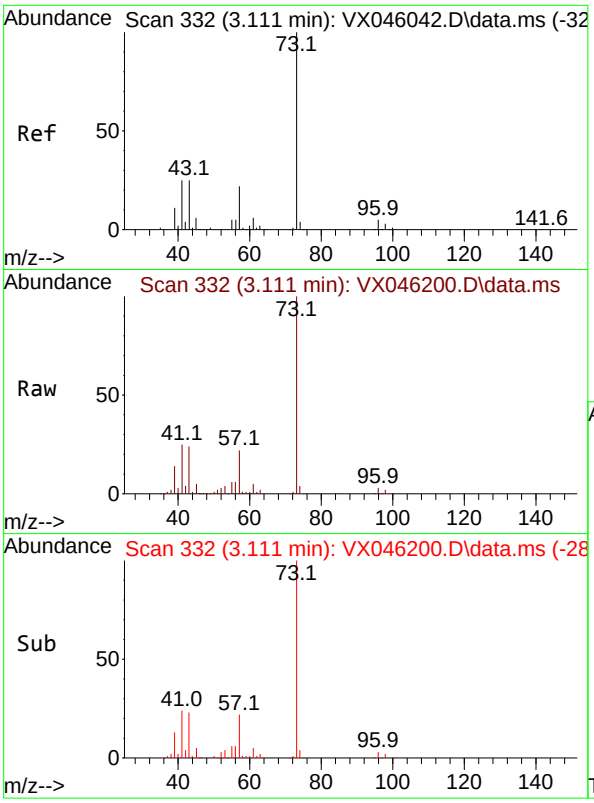


#18
Methyl Acetate
Concen: 57.561 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 79721

Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.7	25.1



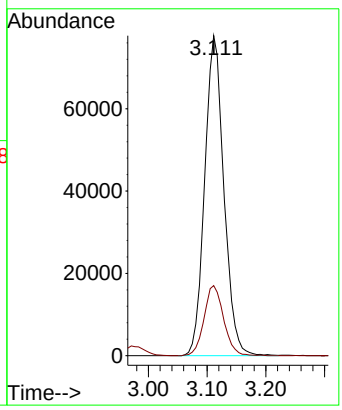


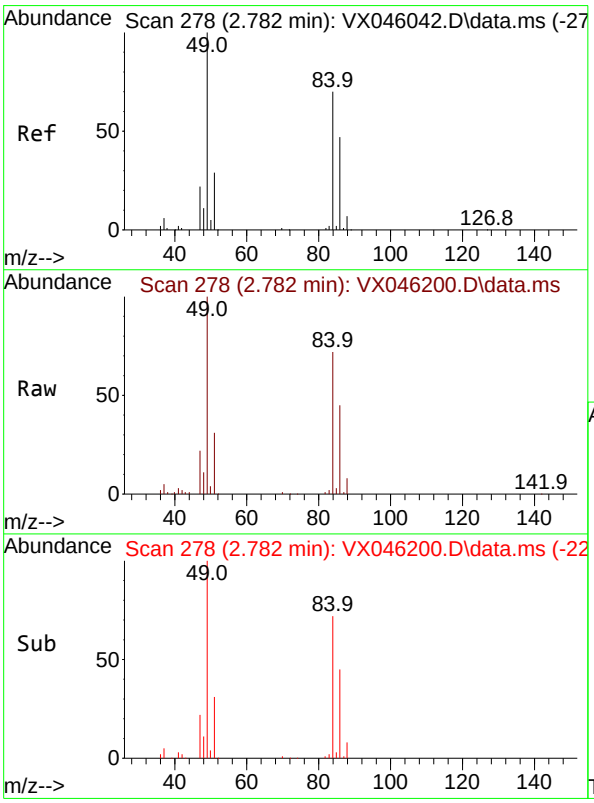
#19
Methyl tert-butyl Ether
Concen: 53.240 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 176719

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

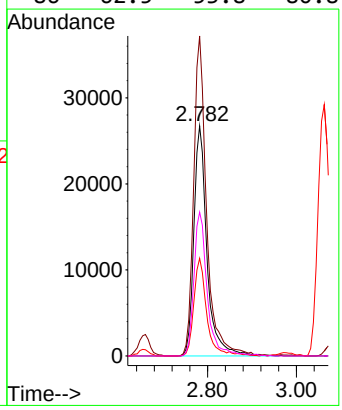


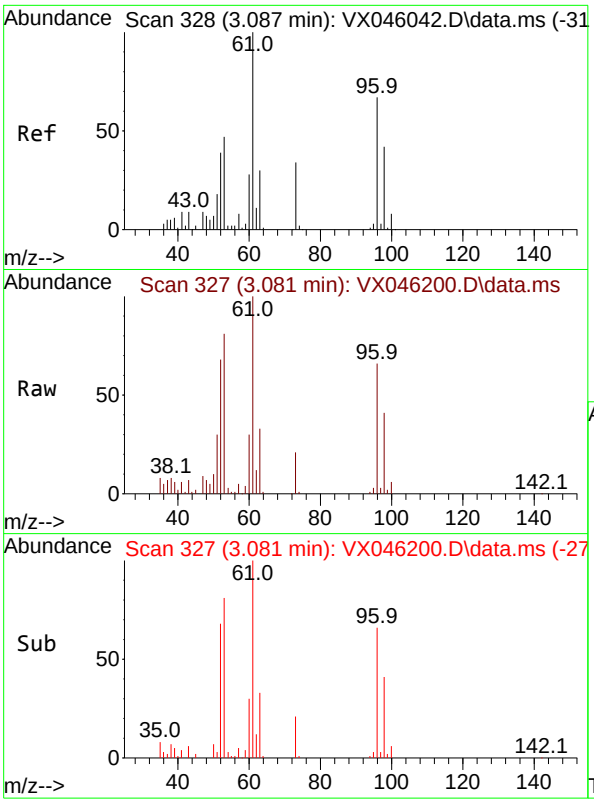


#20
Methylene Chloride
Concen: 47.986 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 84 Resp: 54884

Ion	Ratio	Lower	Upper
84	100		
49	139.1	113.9	170.9
51	42.5	33.5	50.3
86	62.5	53.8	80.8



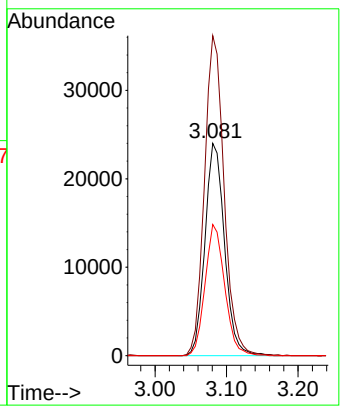


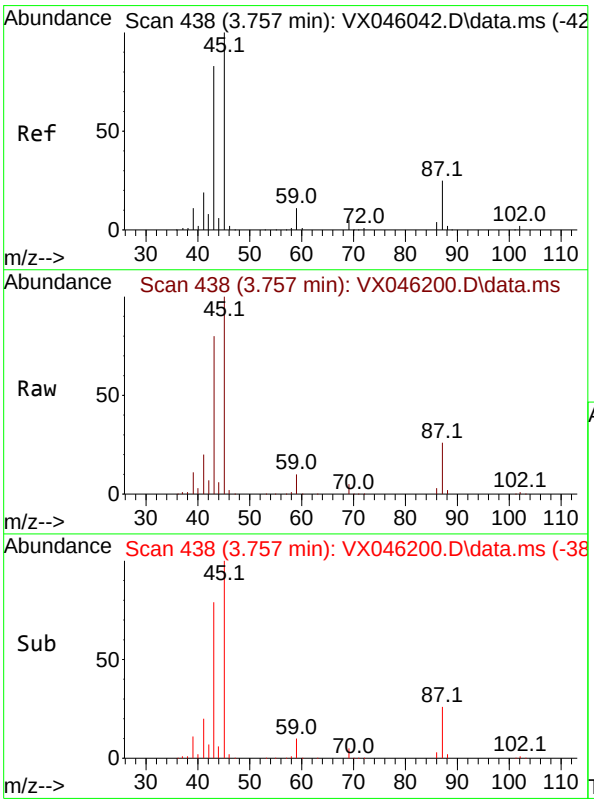
#21
trans-1,2-Dichloroethene
Concen: 47.945 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 45649

Ion	Ratio	Lower	Upper
96	100		
61	150.7	119.5	179.3
98	61.7	50.0	75.0

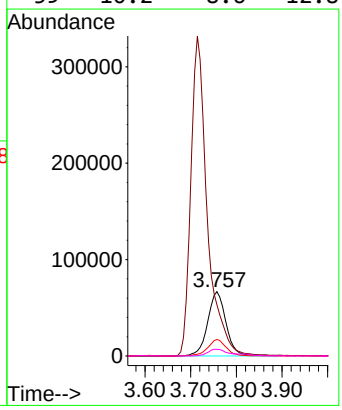


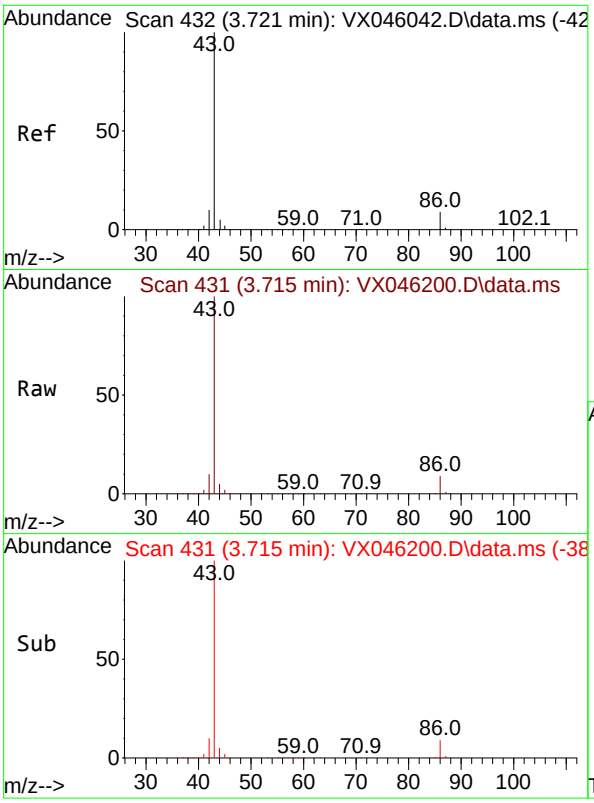


#22
Diisopropyl ether
Concen: 53.235 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 45 Resp: 186066

Ion	Ratio	Lower	Upper
45	100		
43	78.6	66.6	100.0
87	25.6	19.8	29.6
59	10.2	8.6	12.8



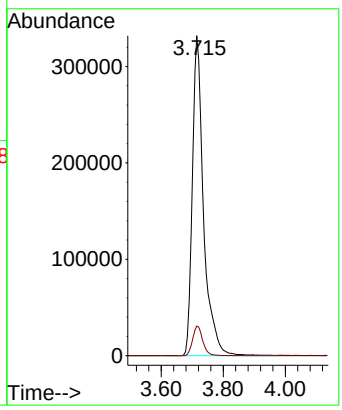


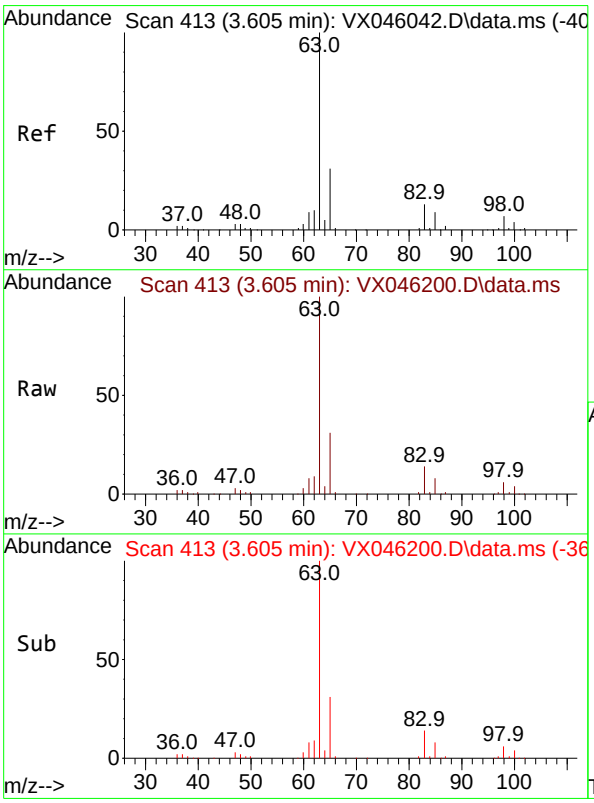
#23
Vinyl Acetate
Concen: 270.938 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 832901

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

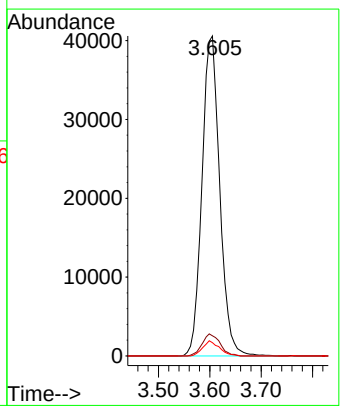


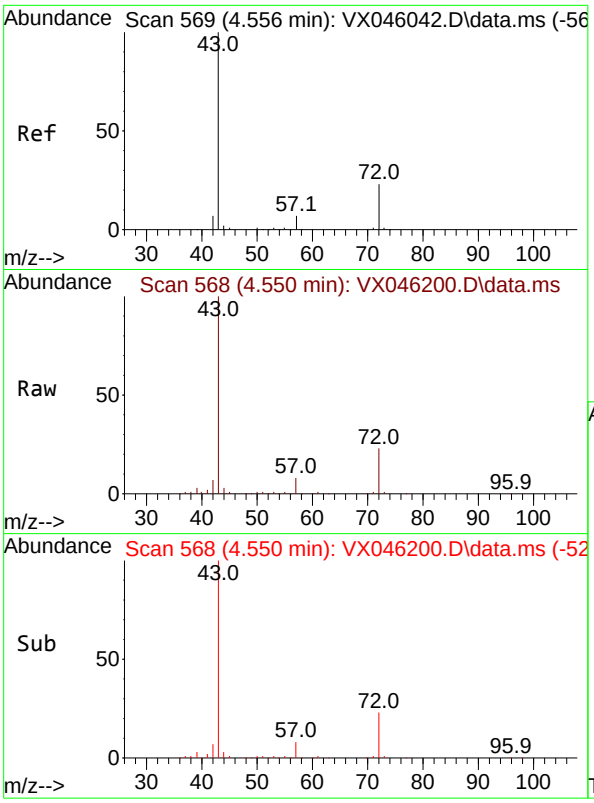


#24
1,1-Dichloroethane
Concen: 50.084 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 63 Resp: 97500

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



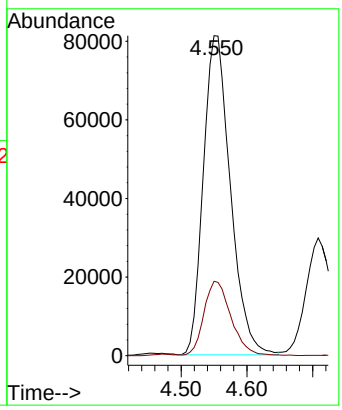


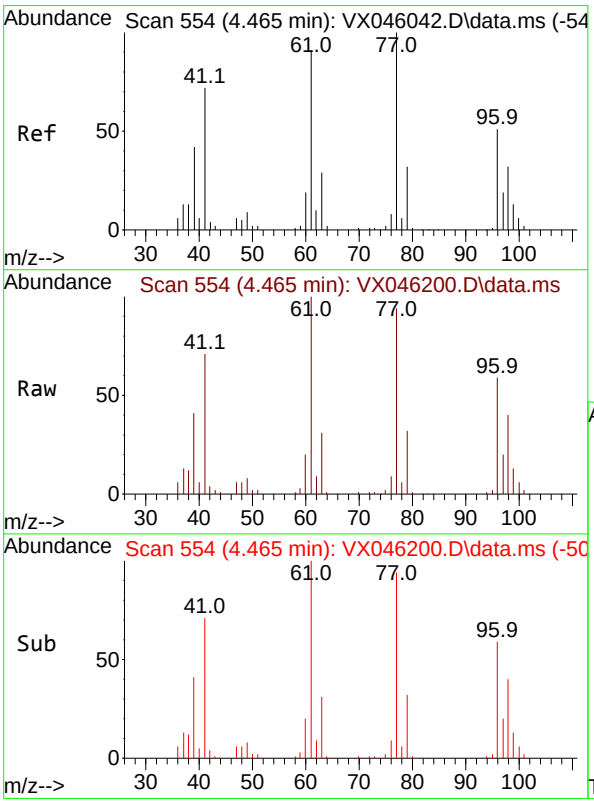
#25
2-Butanone
Concen: 268.650 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 232783

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6

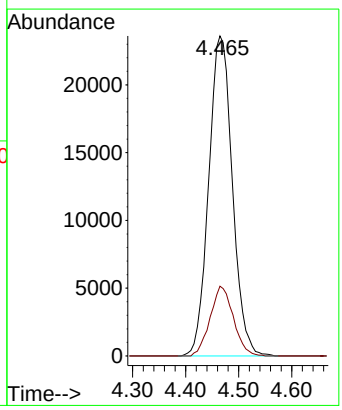


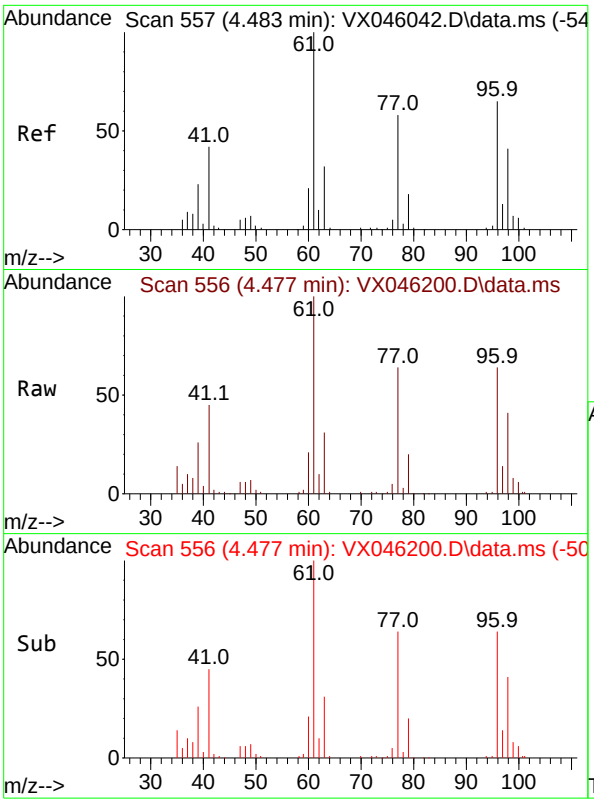


#26
2,2-Dichloropropane
Concen: 48.010 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 77 Resp: 73154

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.5	31.5



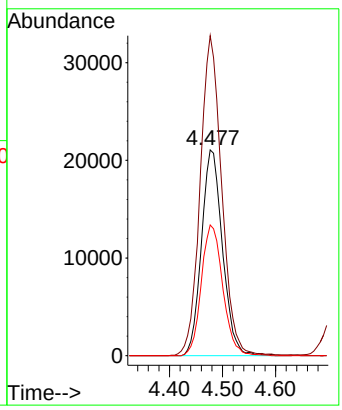


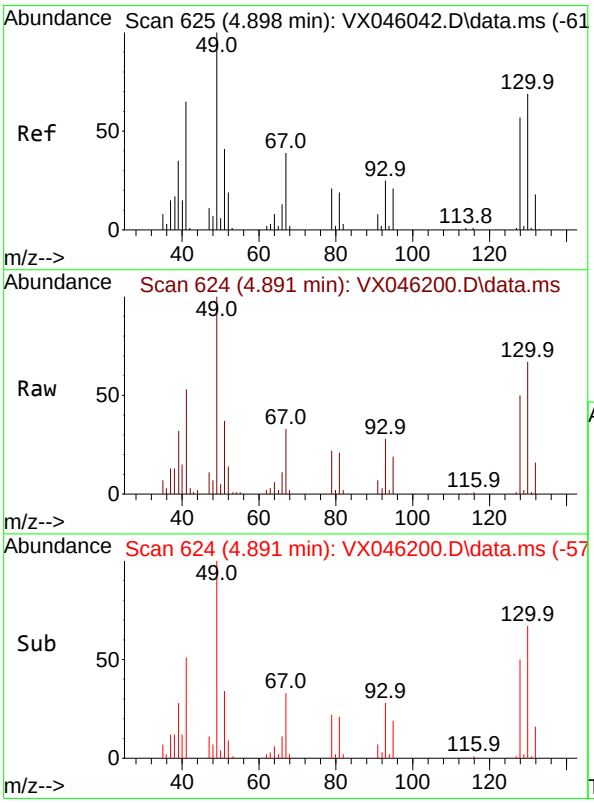
#27
cis-1,2-Dichloroethene
Concen: 50.657 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 58063

Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	322.8
98	64.8	0.0	129.0

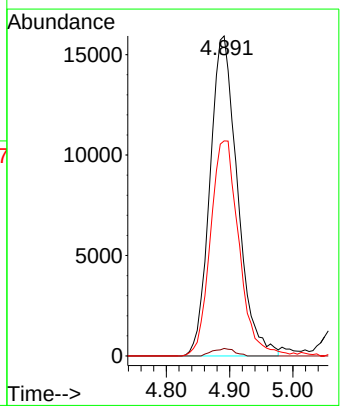


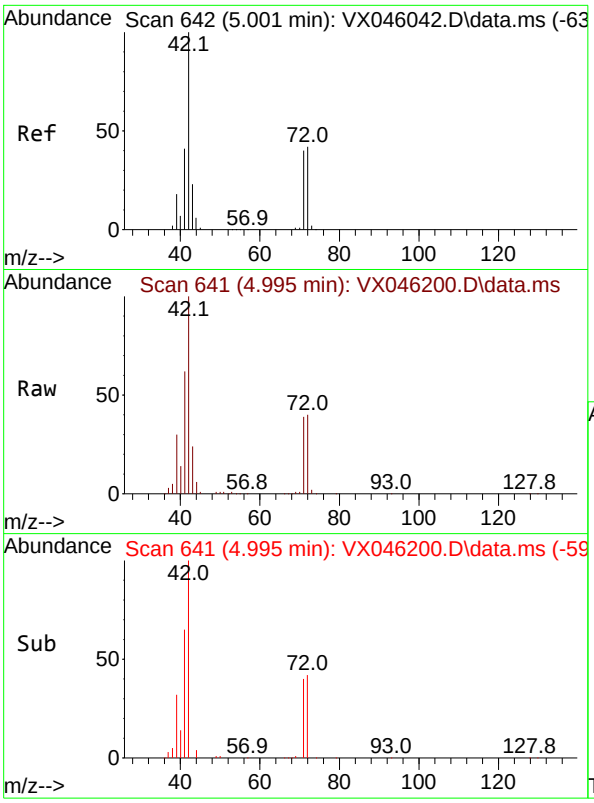


#28
Bromochloromethane
Concen: 51.418 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 49 Resp: 48182

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	69.5	56.2	84.2



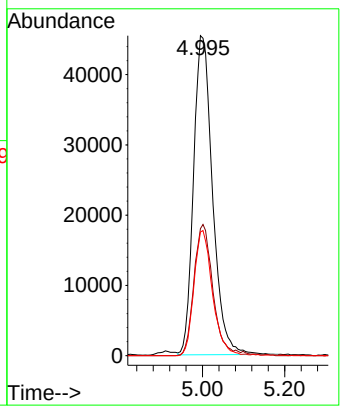


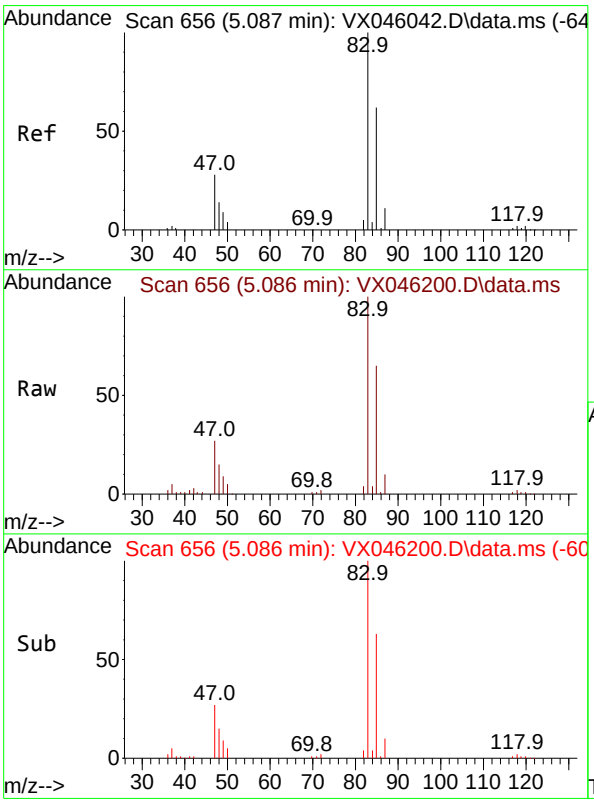
#29
Tetrahydrofuran
Concen: 268.925 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 146017

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	38.3	31.4	47.2

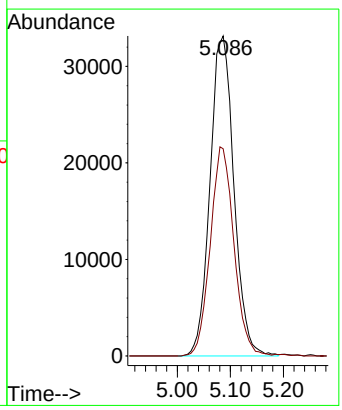


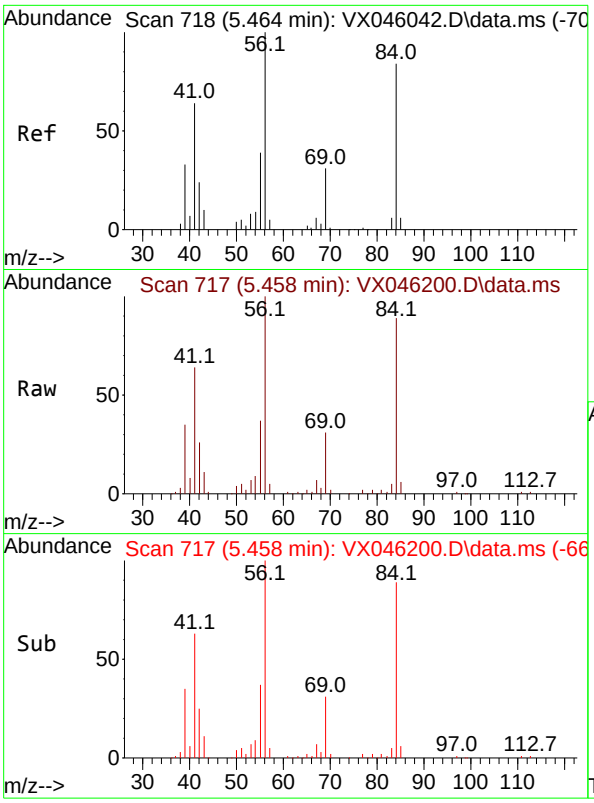


#30
Chloroform
Concen: 51.119 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 83 Resp: 103726

Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.3	73.9



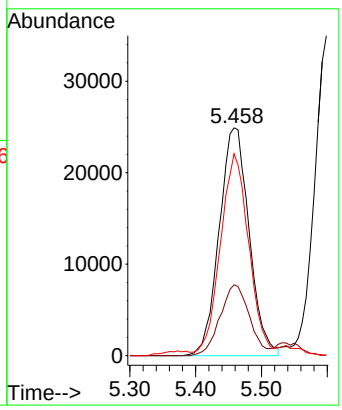


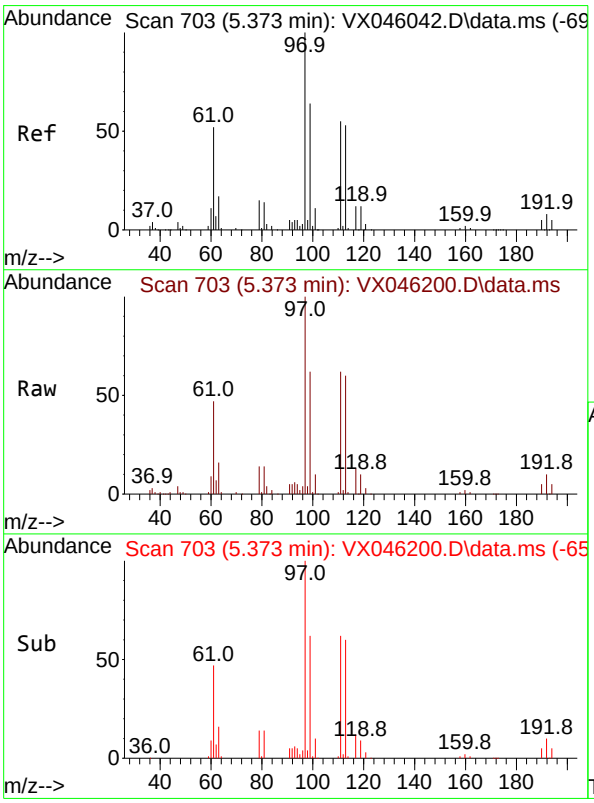
#31
Cyclohexane
Concen: 44.439 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 78834

Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	86.5	66.9	100.3

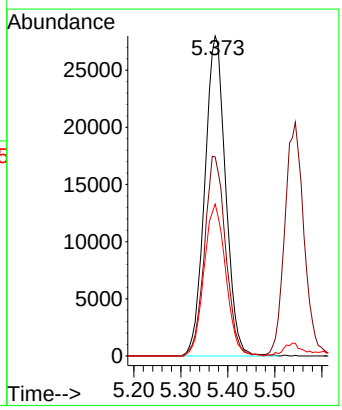


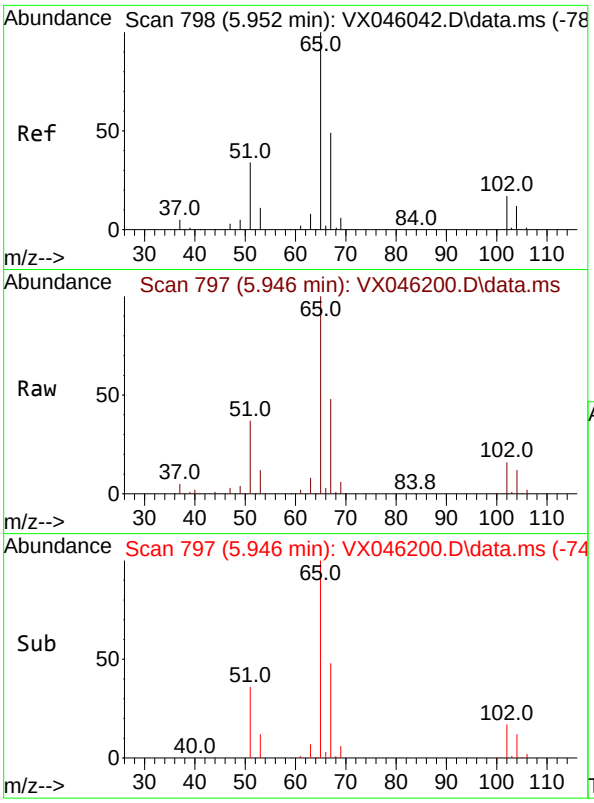


#32
1,1,1-Trichloroethane
Concen: 48.968 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 97 Resp: 86131

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	49.5	40.1	60.1



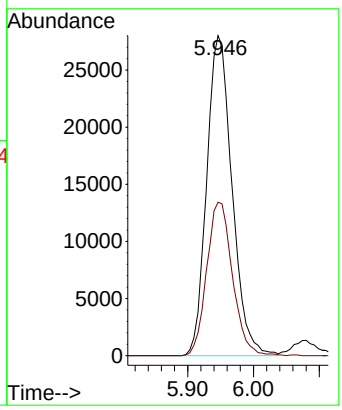


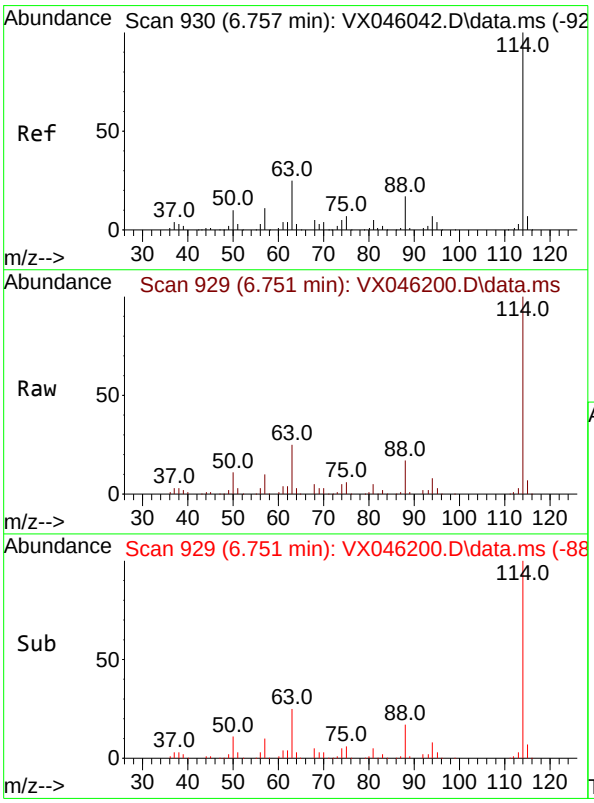
#33
1,2-Dichloroethane-d4
Concen: 50.459 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 75112

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	99.0

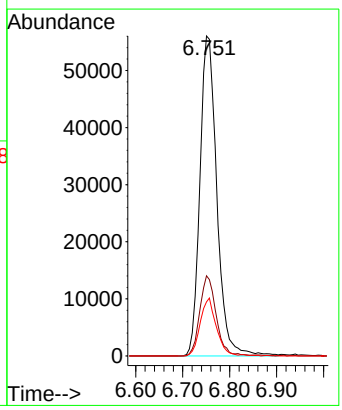


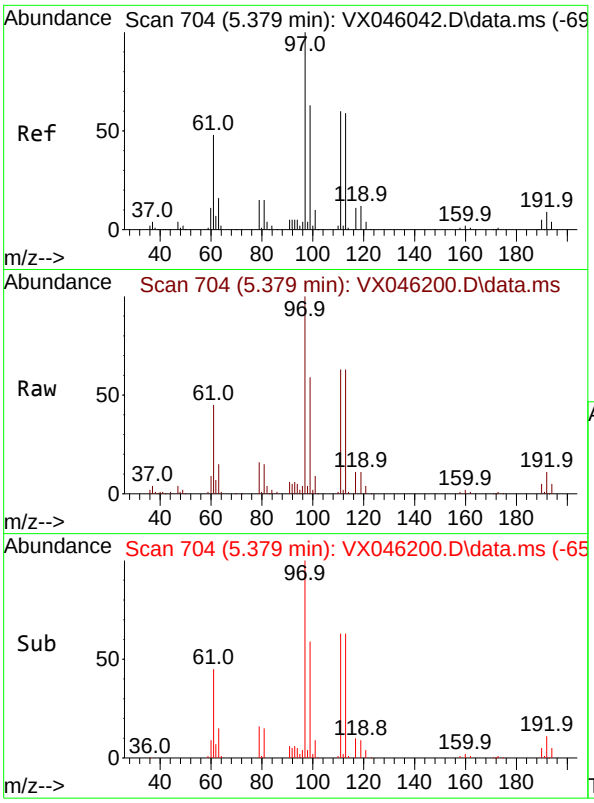


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:114 Resp: 140483

Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.2
88	16.9	0.0	33.6



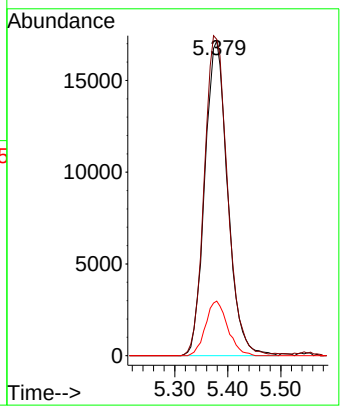


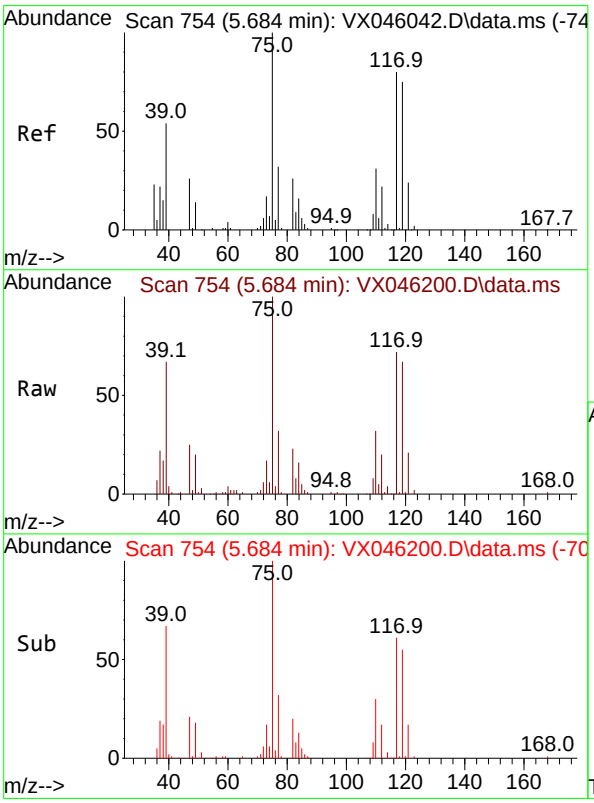
#35
Dibromofluoromethane
Concen: 50.790 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 51380

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	16.8	13.3	19.9

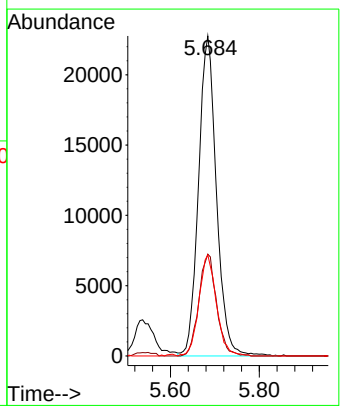


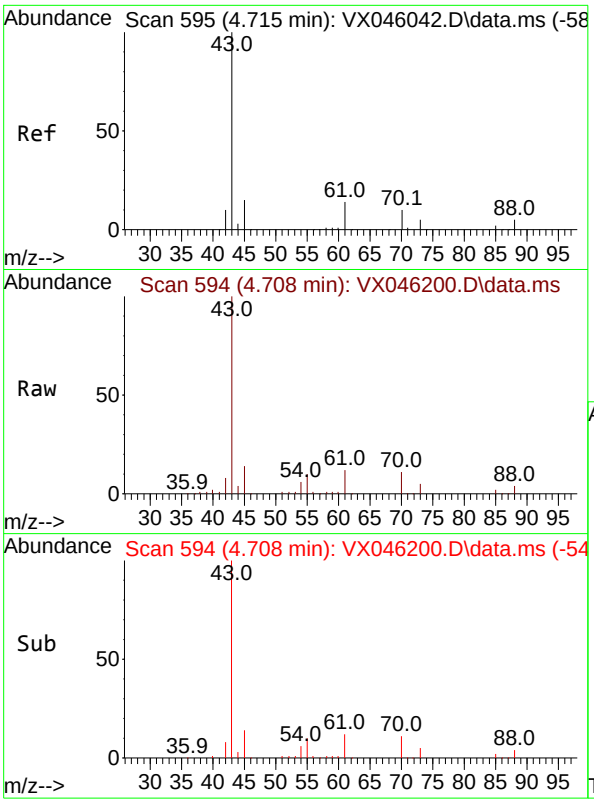


#36
1,1-Dichloropropene
Concen: 47.085 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 63999

Ion	Ratio	Lower	Upper
75	100		
110	31.5	16.3	48.9
77	30.8	24.3	36.5



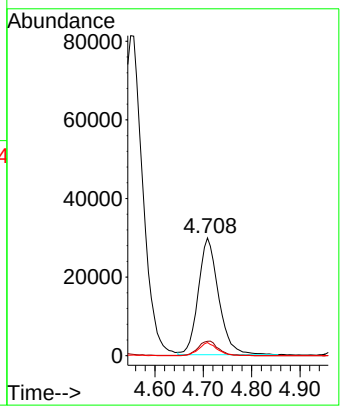


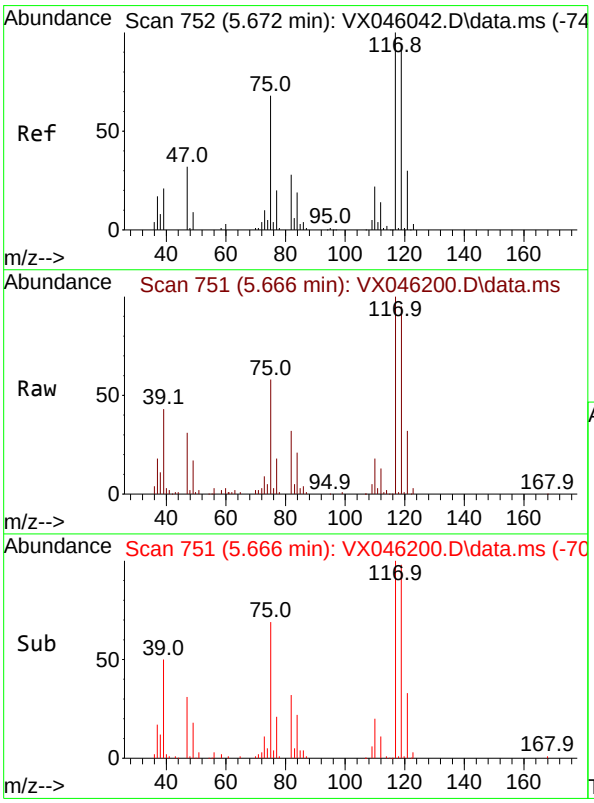
#37
Ethyl Acetate
Concen: 51.772 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 86942

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.2	7.9	11.9

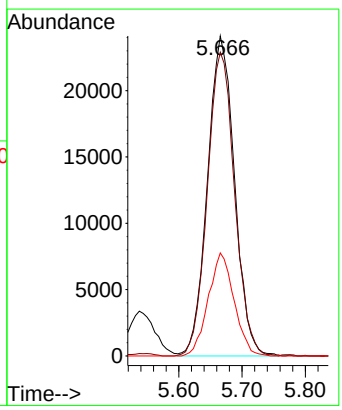


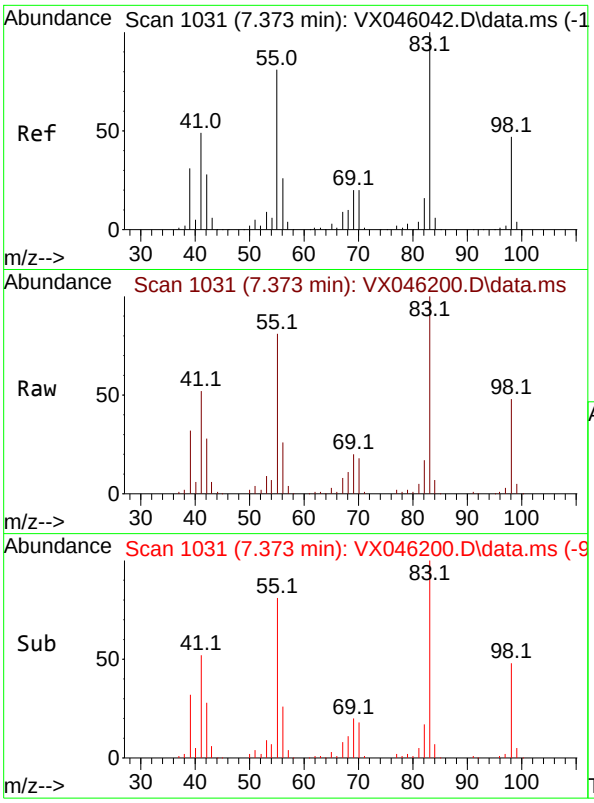


#38
Carbon Tetrachloride
Concen: 46.917 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:117 Resp: 71651

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.2	112.8
121	32.2	24.2	36.4



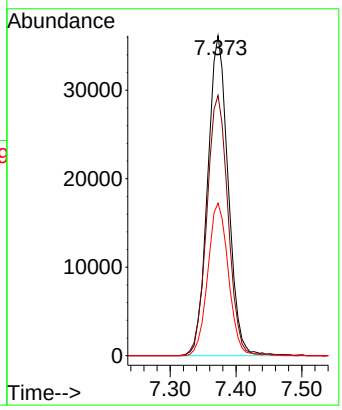


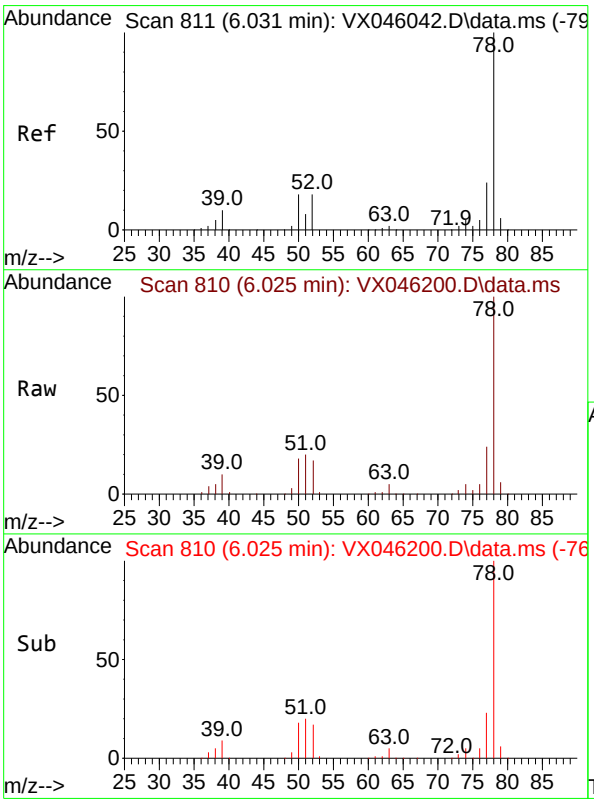
#39
Methylcyclohexane
Concen: 44.850 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 78483

Ion	Ratio	Lower	Upper
83	100		
55	81.3	64.7	97.1
98	47.7	37.4	56.2

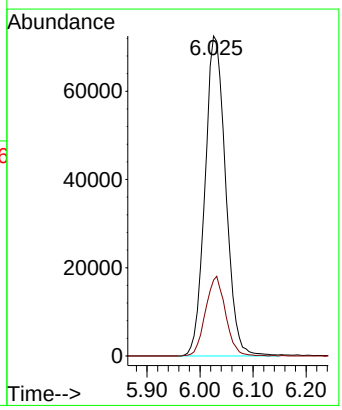


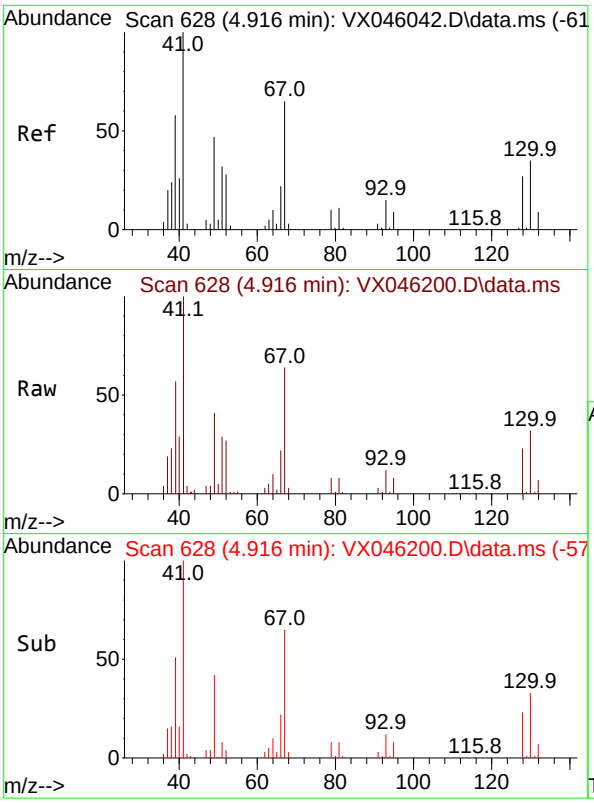


#40
Benzene
Concen: 49.356 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 78 Resp: 196502

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4



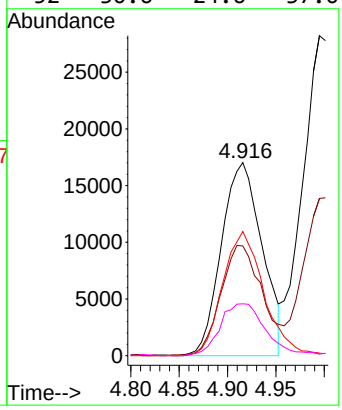


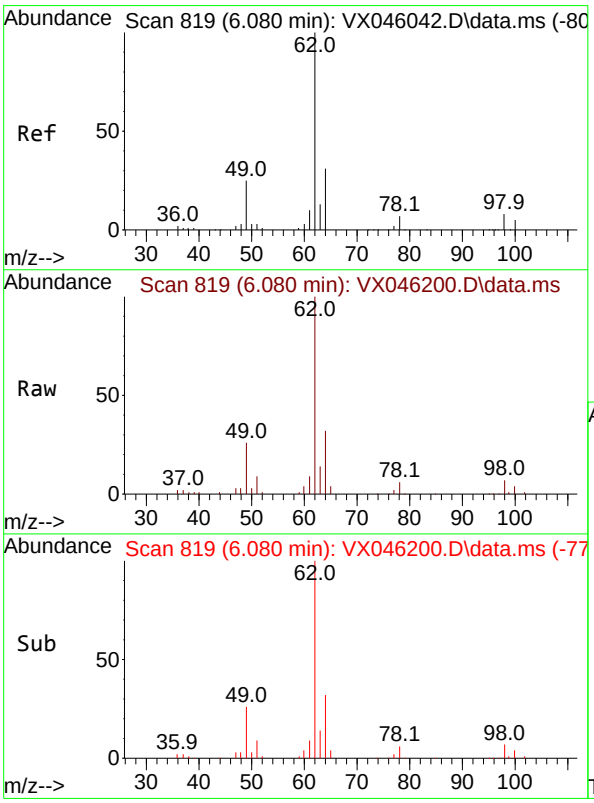
#41
Methacrylonitrile
Concen: 56.711 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 49819

Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.2	70.8
67	65.8	50.7	76.1
52	30.6	24.6	37.0

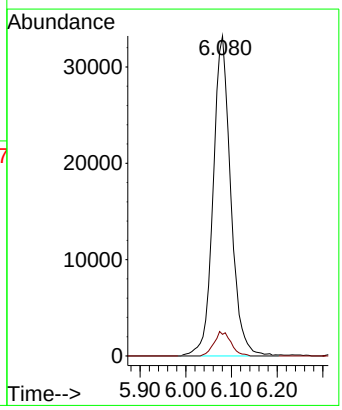


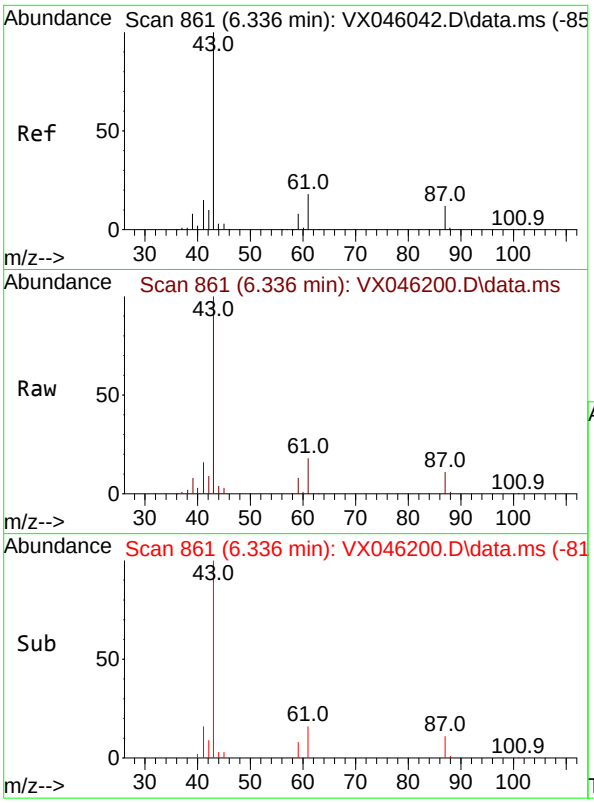


#42
1,2-Dichloroethane
Concen: 51.827 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 62 Resp: 89054

Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.2



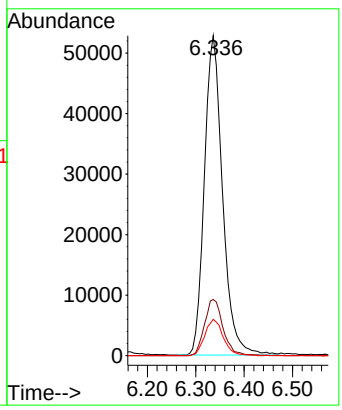


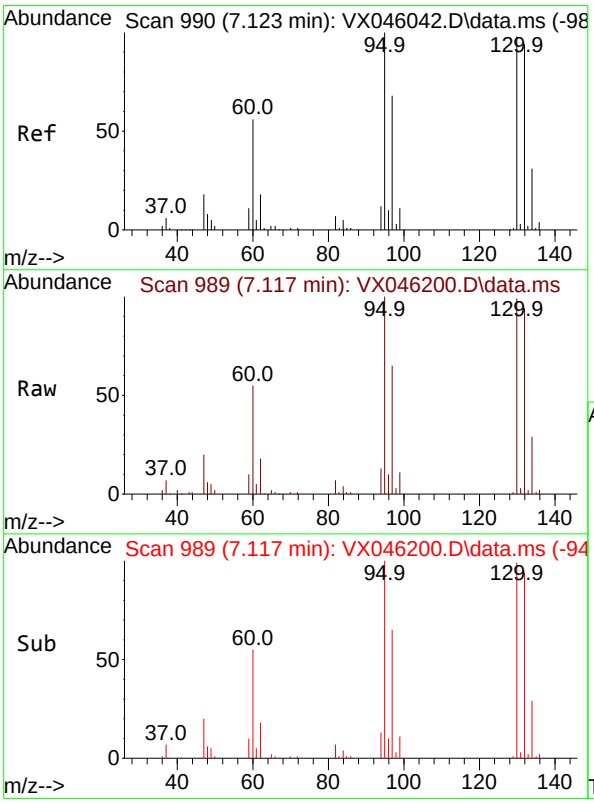
#43
Isopropyl Acetate
Concen: 53.921 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 138141

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.5	9.5	14.3

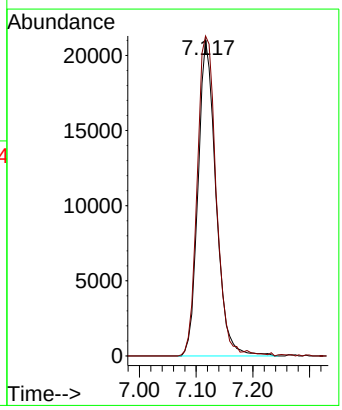


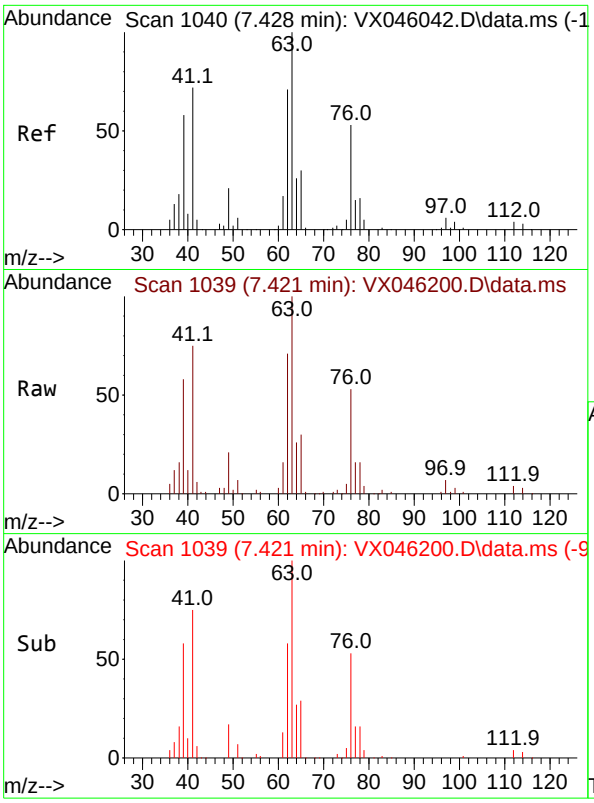


#44
Trichloroethene
Concen: 48.134 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:130 Resp: 46123

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	204.2



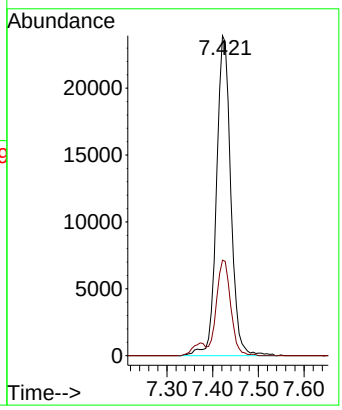


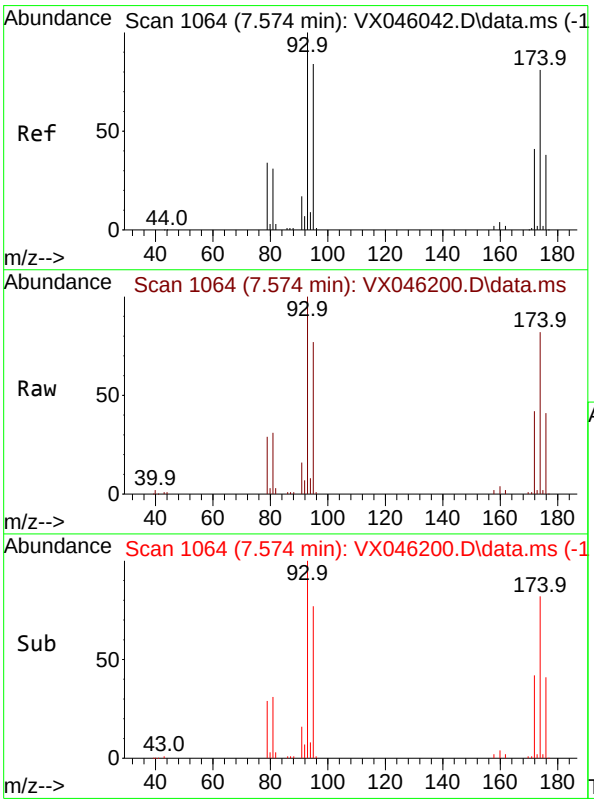
#45
1,2-Dichloropropane
Concen: 52.609 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 52081

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.1	36.1

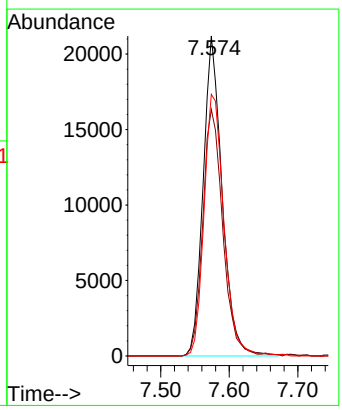


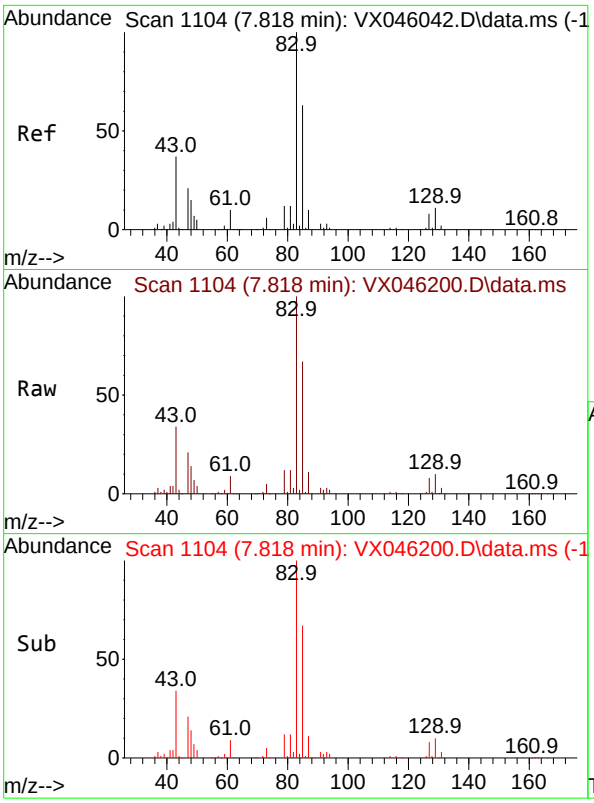


#46
Dibromomethane
Concen: 52.296 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 93 Resp: 40833

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.6	98.4
174	86.2	68.2	102.2



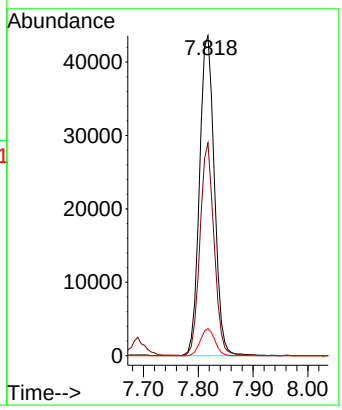


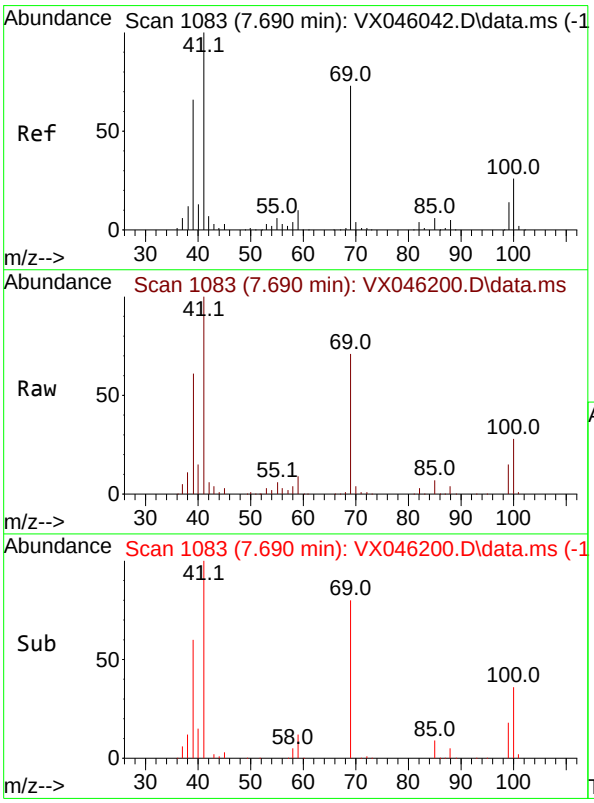
#47
Bromodichloromethane
Concen: 53.445 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 82190

Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.5	75.7
127	8.4	6.5	9.7

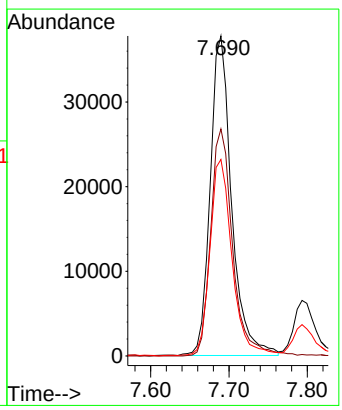


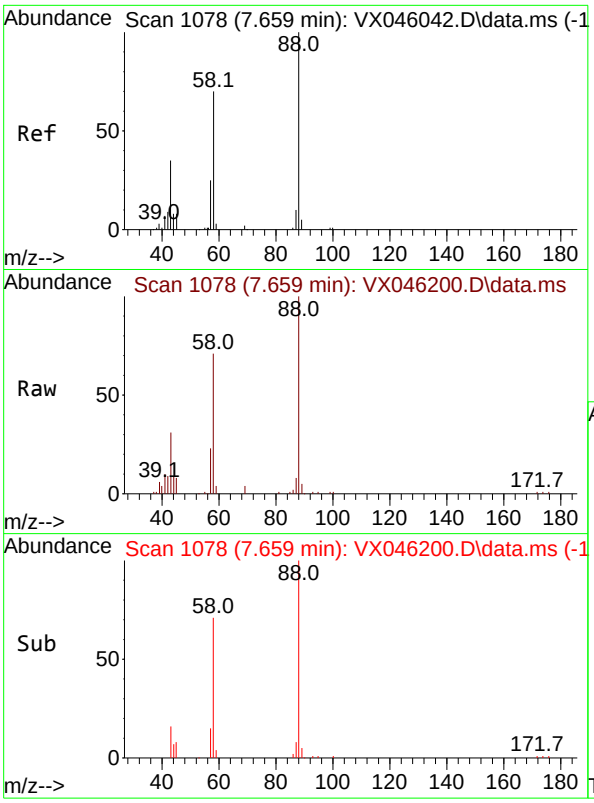


#48
Methyl methacrylate
Concen: 54.783 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 41 Resp: 71677

Ion	Ratio	Lower	Upper
41	100		
69	73.3	58.5	87.7
39	64.0	51.7	77.5



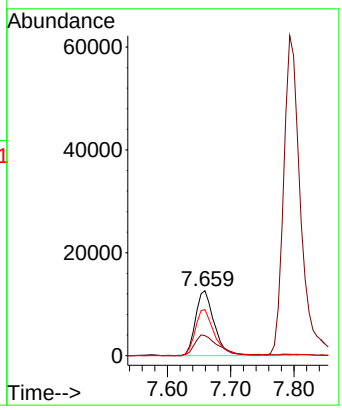


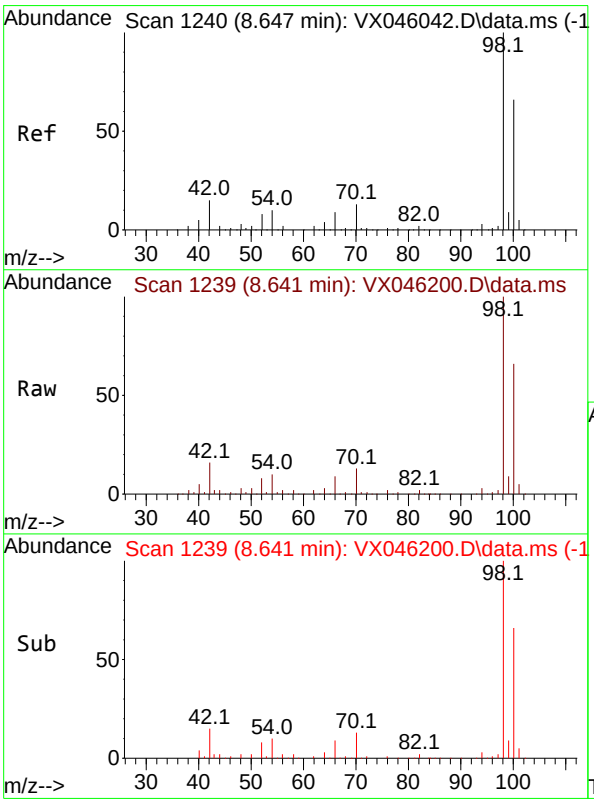
#49
1,4-Dioxane
Concen: 1060.072 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 26335

Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.4	50.2
58	73.0	58.6	88.0

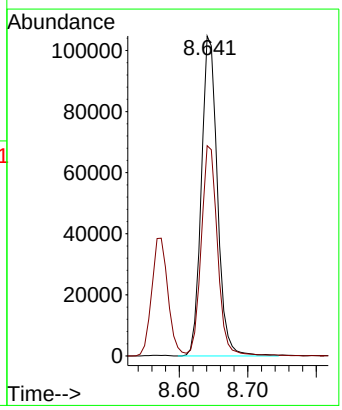


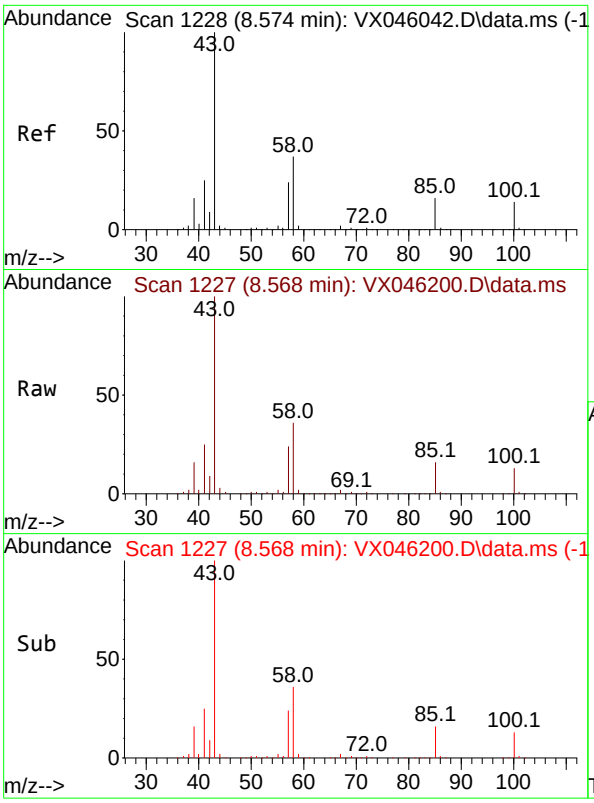


#50
Toluene-d8
Concen: 48.757 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 98 Resp: 170717

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.5	80.3



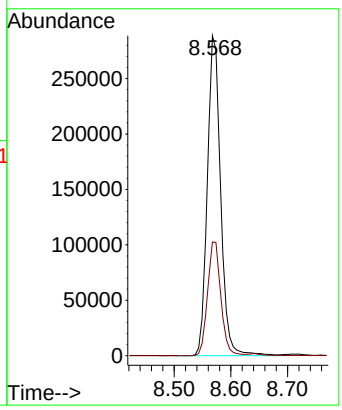


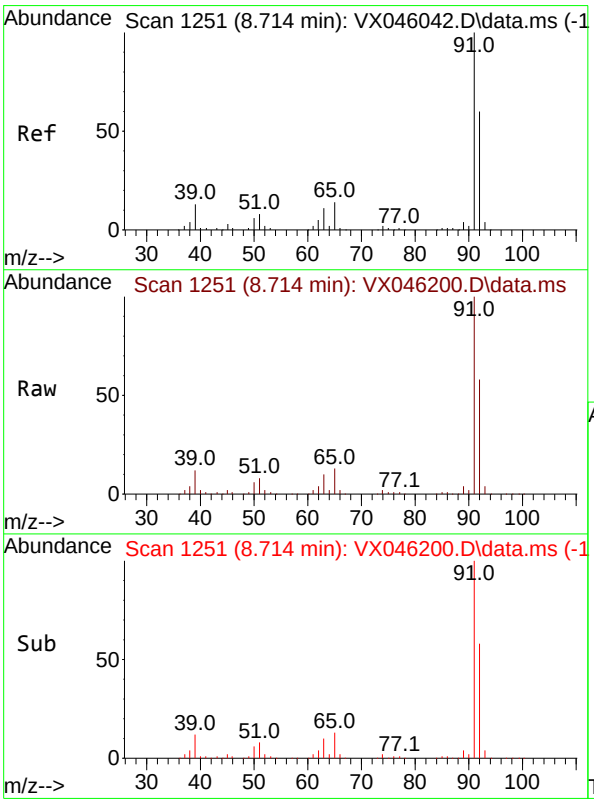
#51
4-Methyl-2-Pentanone
Concen: 277.135 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 471283

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.9	43.3

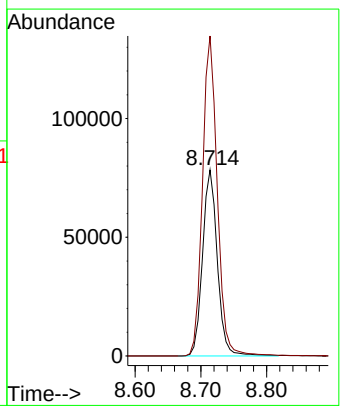


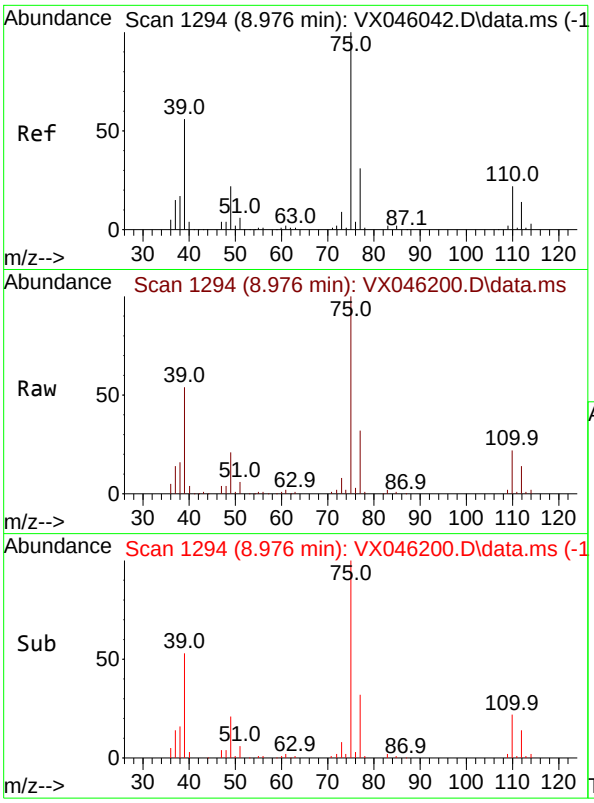


#52
Toluene
Concen: 50.134 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 92 Resp: 122389

Ion	Ratio	Lower	Upper
92	100		
91	172.6	136.6	205.0



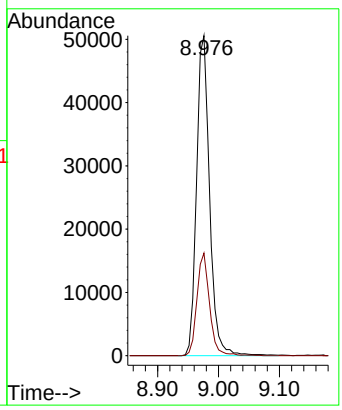


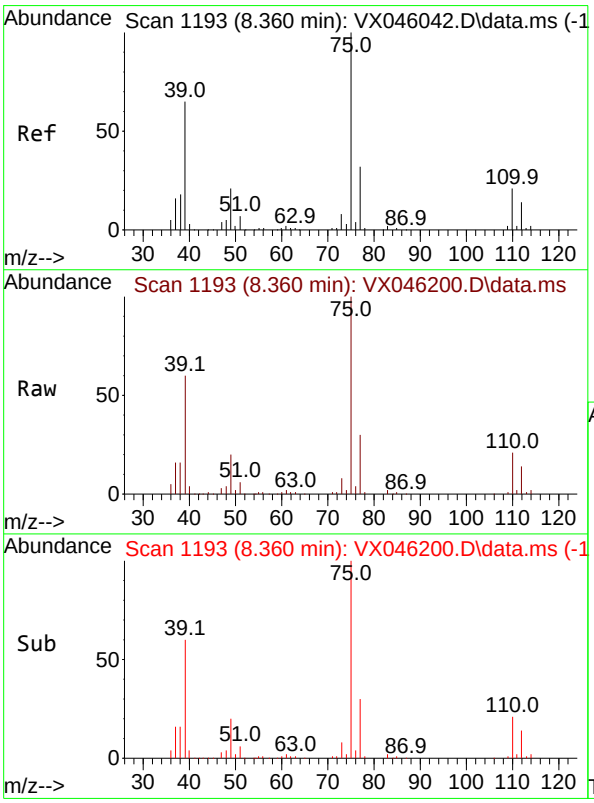
#53
t-1,3-Dichloropropene
Concen: 54.955 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 75119

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6

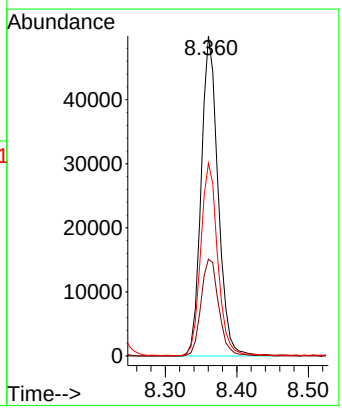


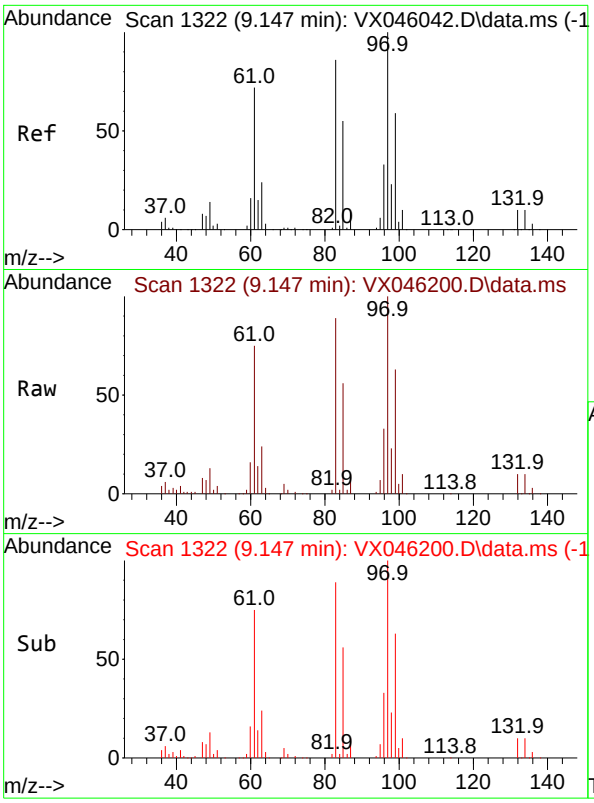


#54
cis-1,3-Dichloropropene
Concen: 54.175 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 81846

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.0
39	60.1	52.2	78.4



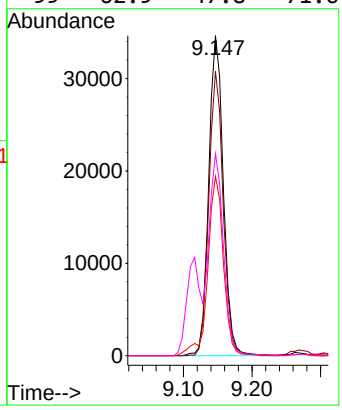


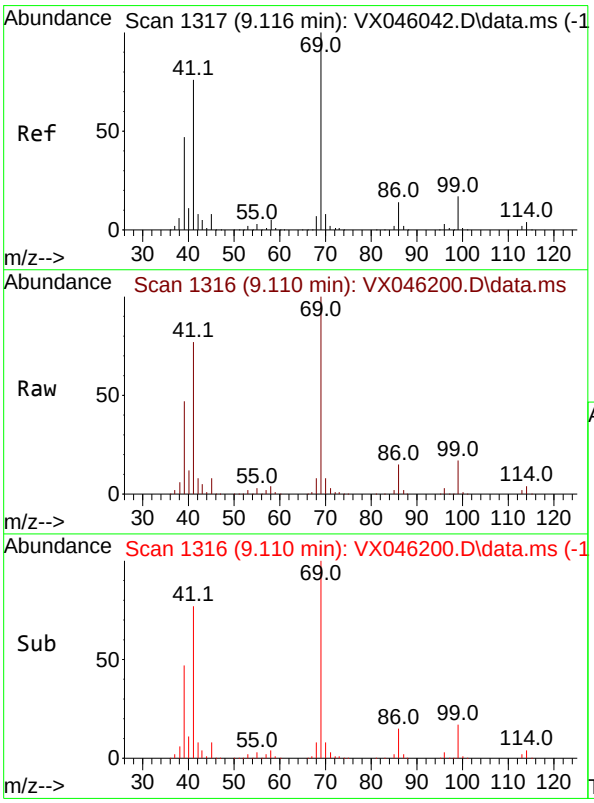
#55
1,1,2-Trichloroethane
Concen: 53.511 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 51510

Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.0	103.6
85	56.0	44.3	66.5
99	62.9	47.8	71.6

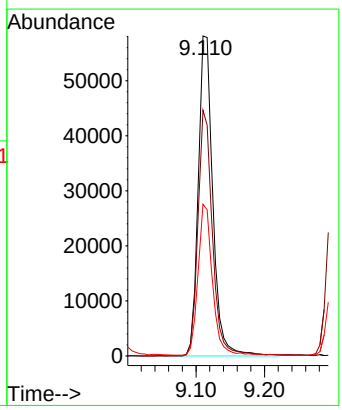


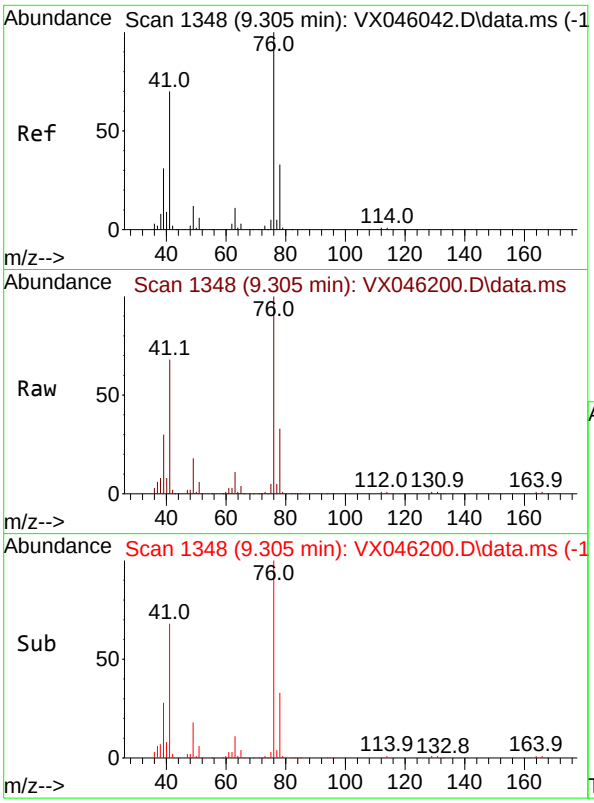


#56
Ethyl methacrylate
Concen: 56.258 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 69 Resp: 86310

Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.8	91.2
39	47.3	39.0	58.6



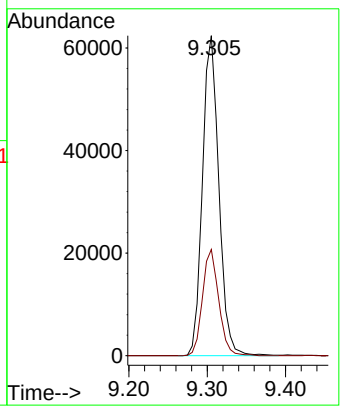


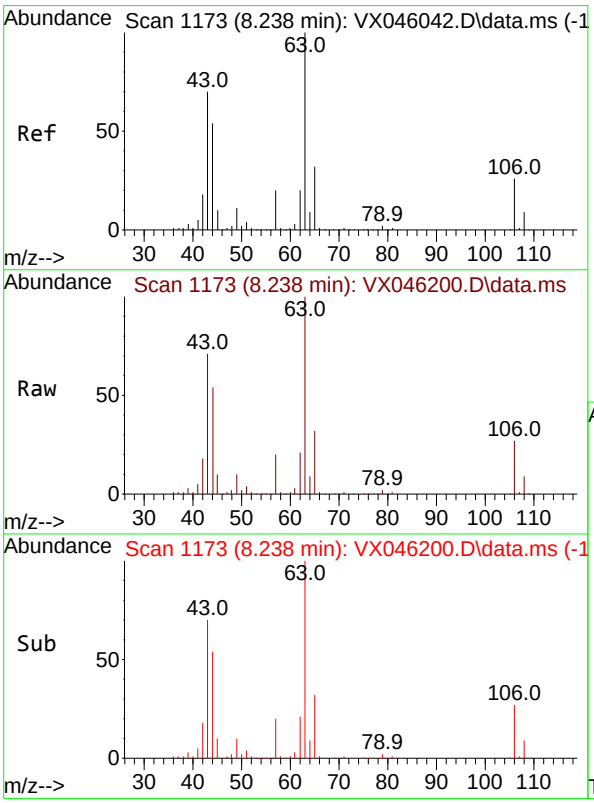
#57
1,3-Dichloropropane
Concen: 52.400 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 90587

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

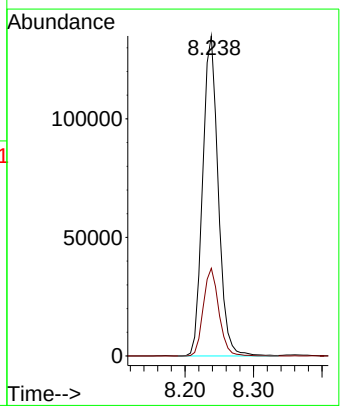


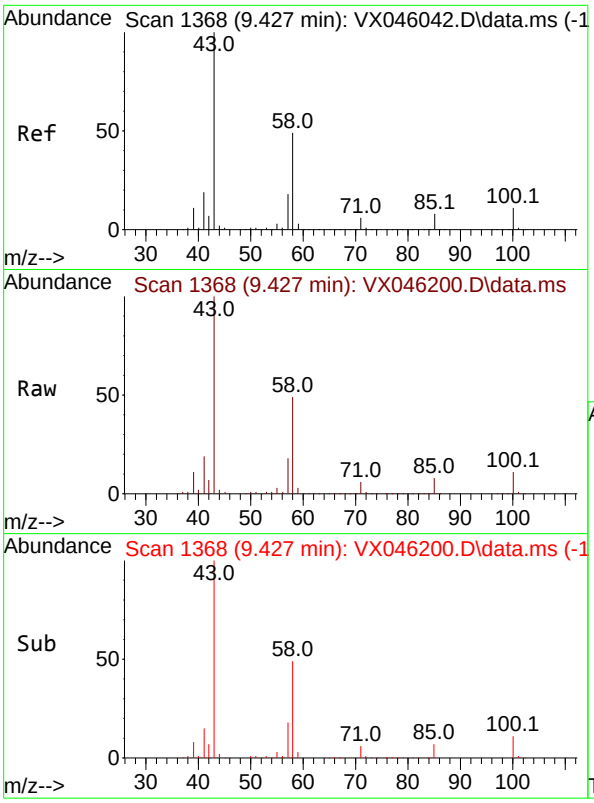


#58
2-Chloroethyl Vinyl ether
Concen: 273.403 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 63 Resp: 213841

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3



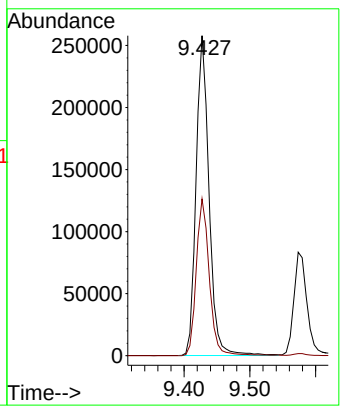


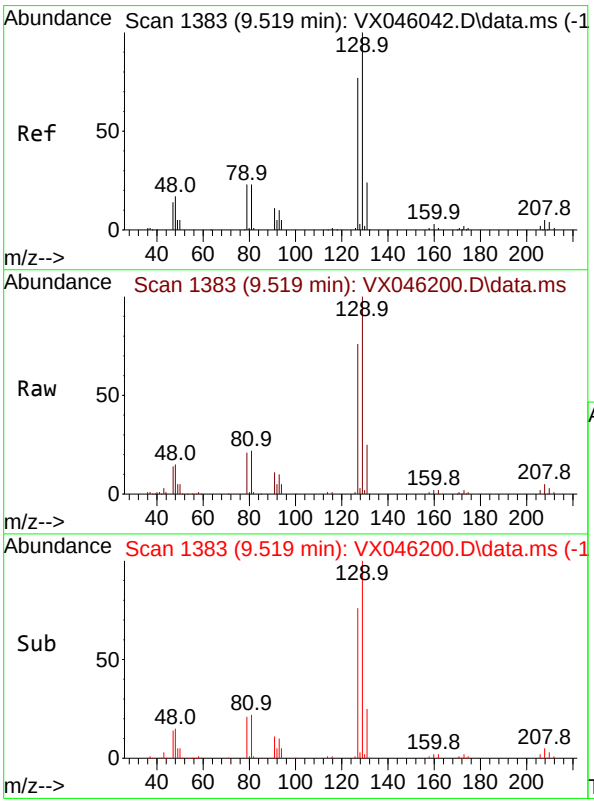
#59
2-Hexanone
Concen: 279.654 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 351840

Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.9	74.6

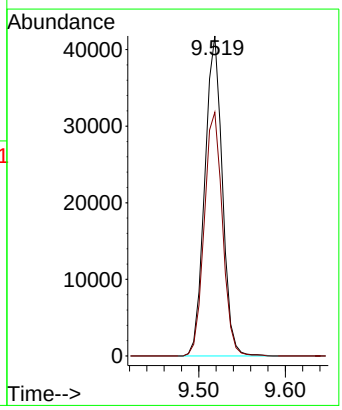


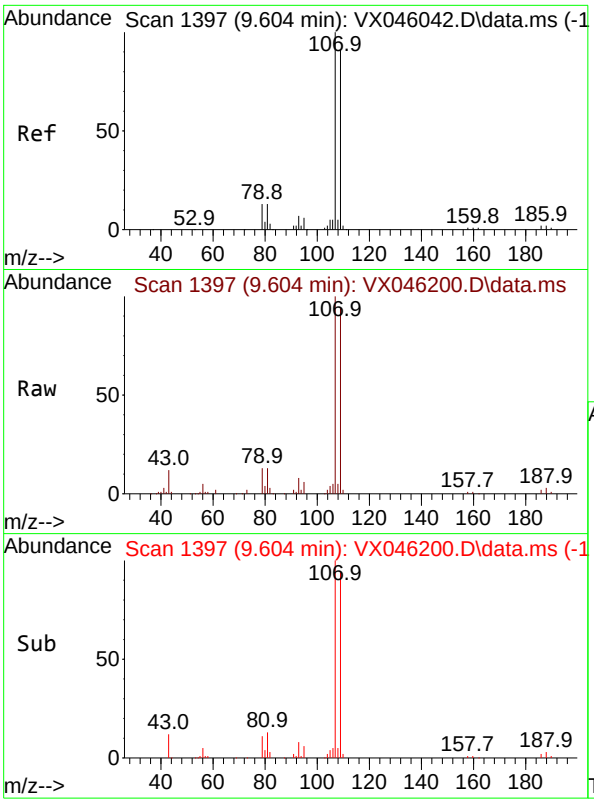


#60
Dibromochloromethane
Concen: 55.578 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:129 Resp: 58754

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.3	117.8



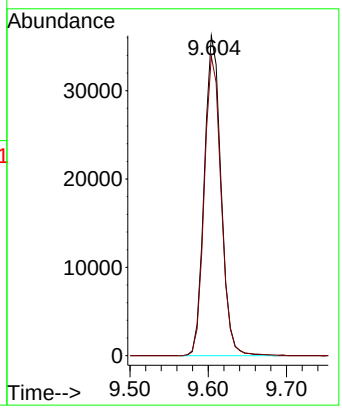


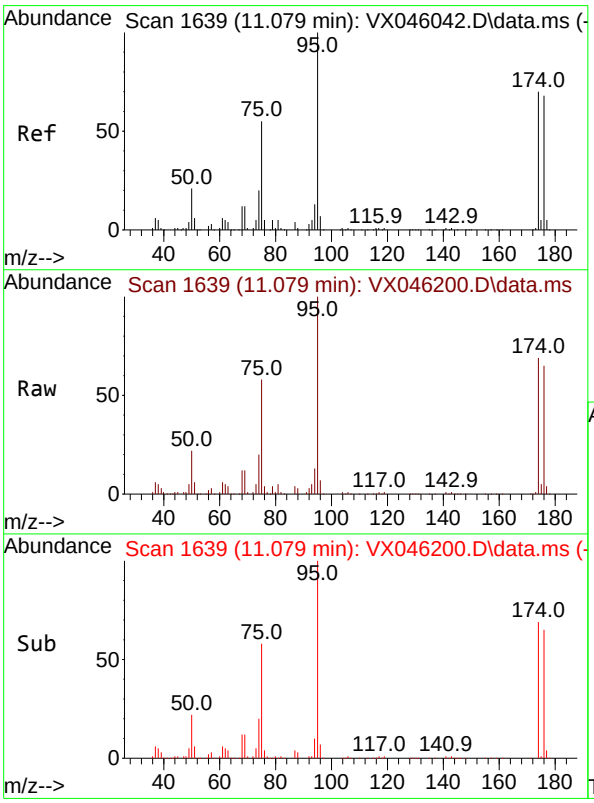
#61
1,2-Dibromoethane
Concen: 53.537 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 53563

Ion	Ratio	Lower	Upper
107	100		
109	94.7	73.3	109.9

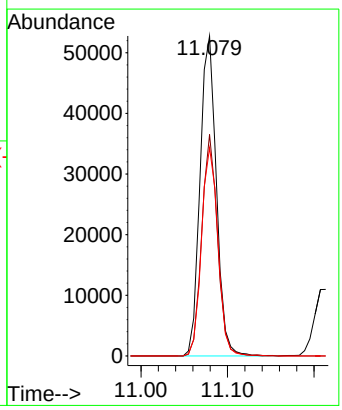


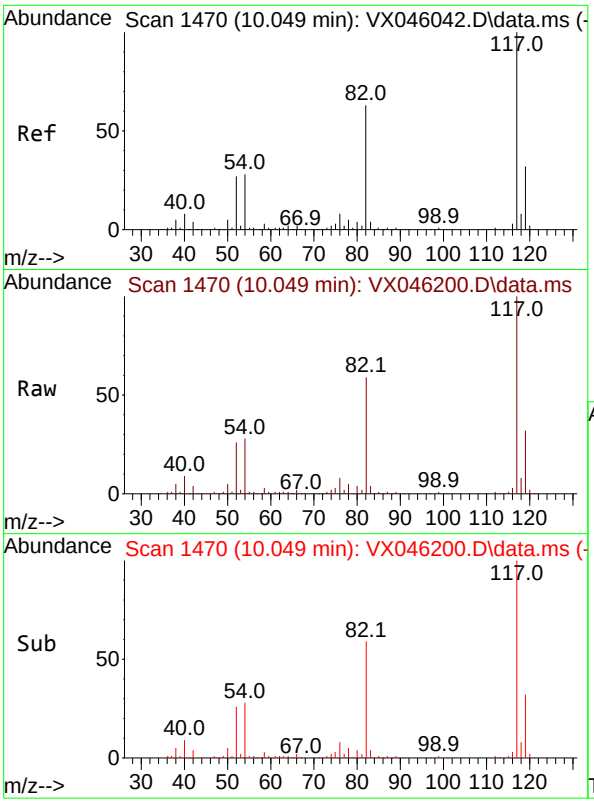


#62
4-Bromofluorobenzene
Concen: 51.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 95 Resp: 69053

Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	135.8
176	65.5	0.0	131.4



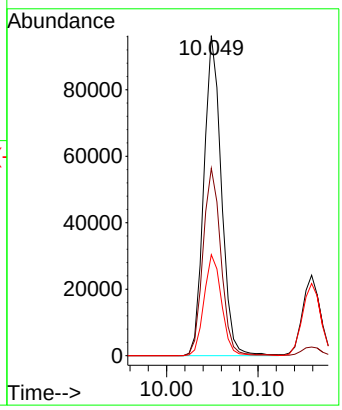


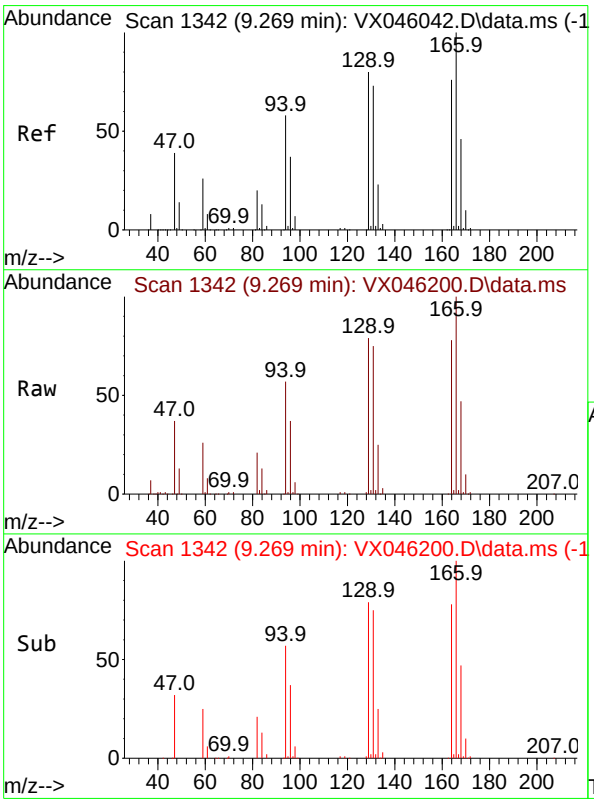
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 127630

Ion	Ratio	Lower	Upper
117	100		
82	58.5	50.6	76.0
119	31.6	25.8	38.6

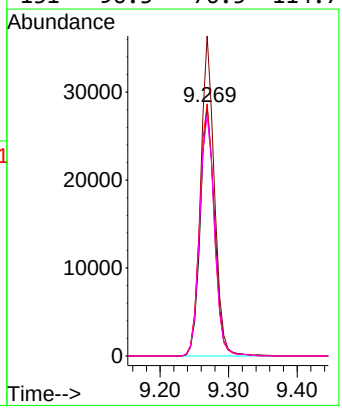


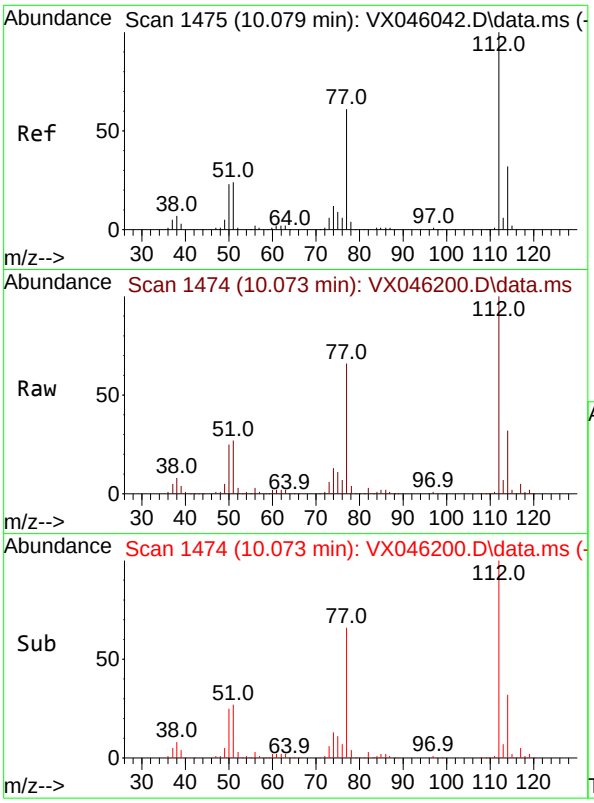


#64
Tetrachloroethene
Concen: 46.025 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:164 Resp: 41562

Ion	Ratio	Lower	Upper
164	100		
166	128.2	105.0	157.6
129	101.0	83.5	125.3
131	96.3	76.5	114.7



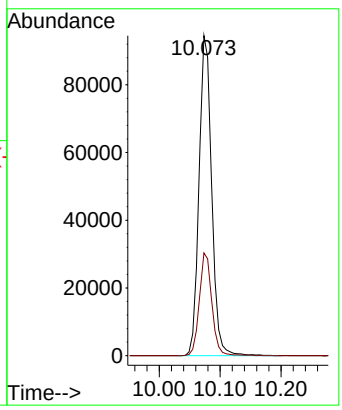


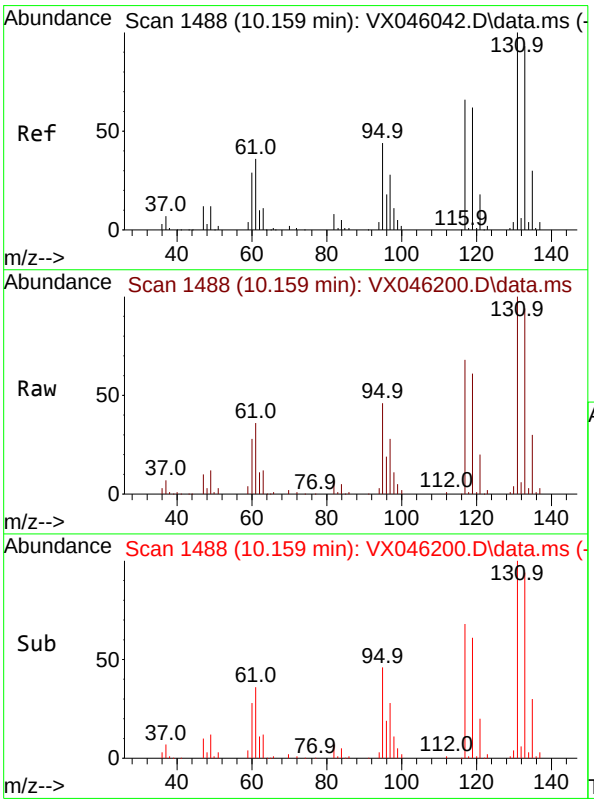
#65
Chlorobenzene
Concen: 48.673 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 135968

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

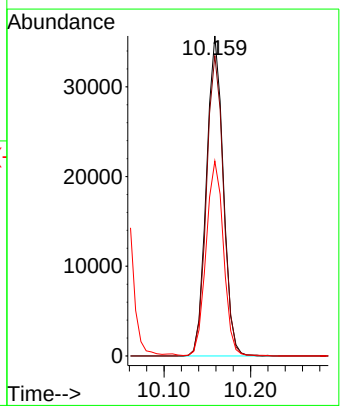


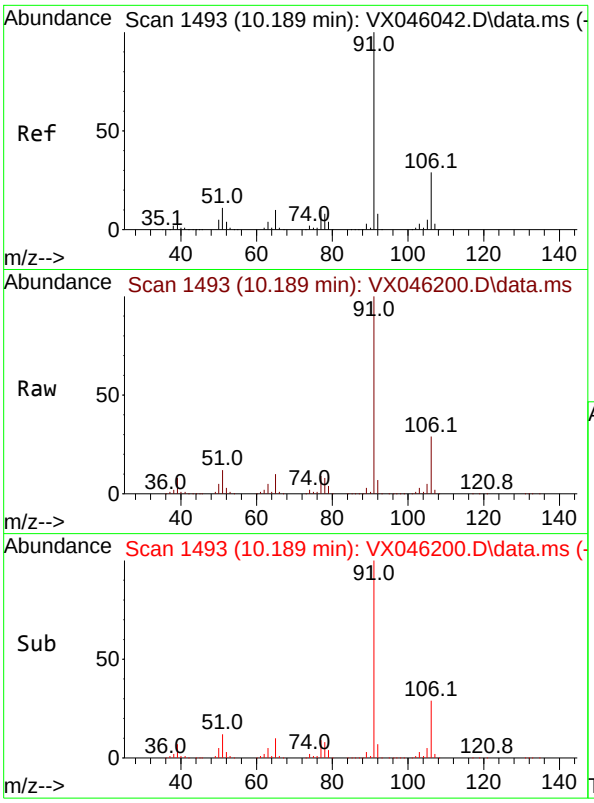


#66
1,1,1,2-Tetrachloroethane
Concen: 50.472 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:131 Resp: 48145

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	63.1	31.6	95.0



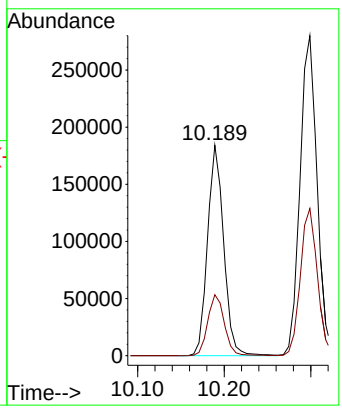


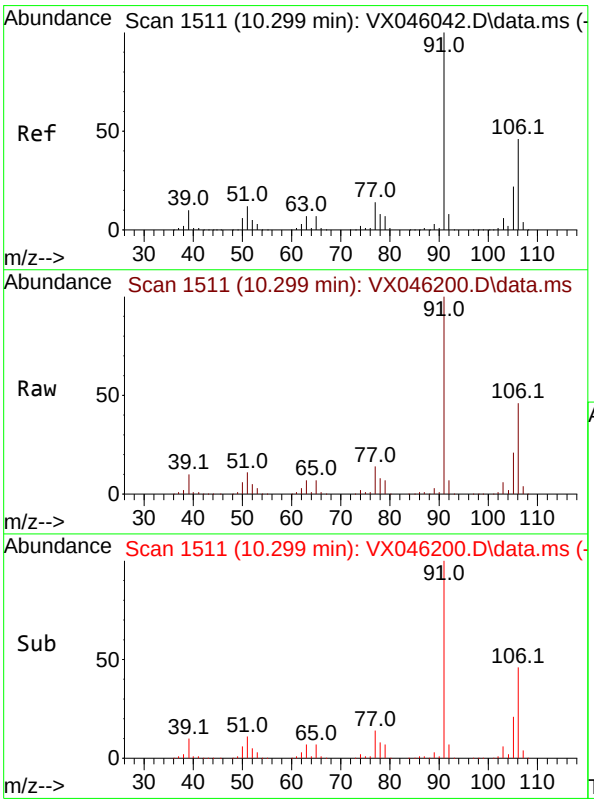
#67
Ethyl Benzene
Concen: 48.501 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 238829

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.4	35.2

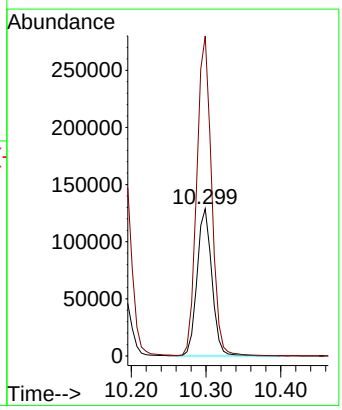


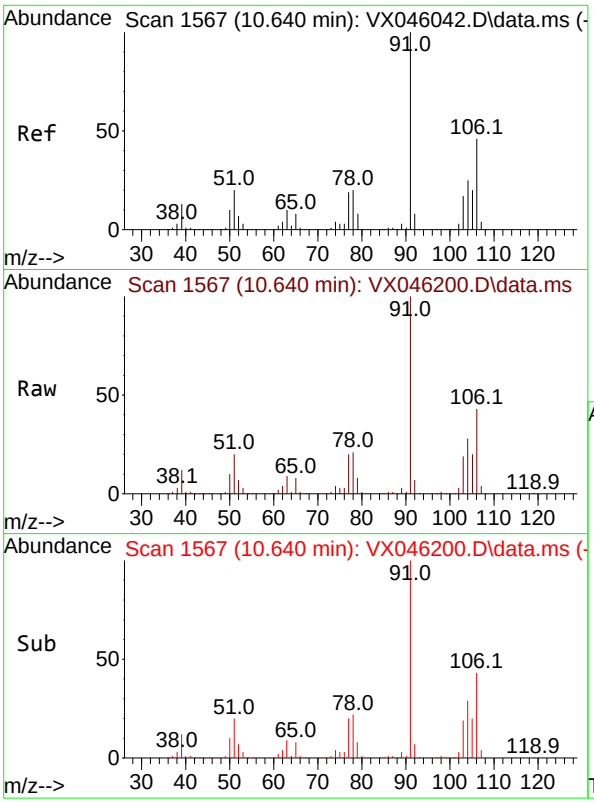


#68
m/p-Xylenes
Concen: 98.275 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:106 Resp: 176993

Ion	Ratio	Lower	Upper
106	100		
91	218.1	171.2	256.8



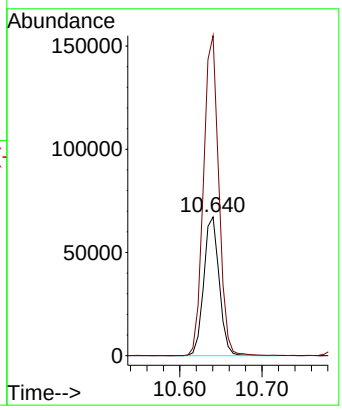


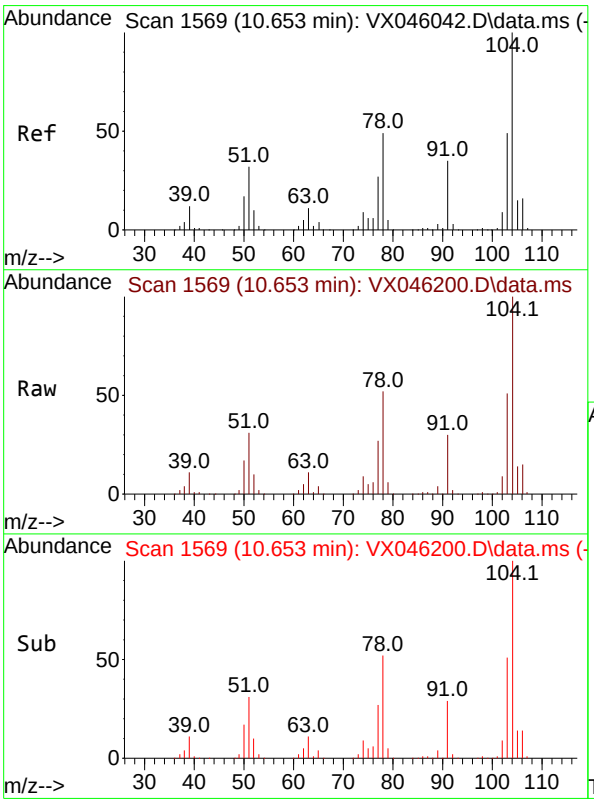
#69
o-Xylene
Concen: 49.886 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 87589

Ion	Ratio	Lower	Upper
106	100		
91	229.4	112.7	338.1

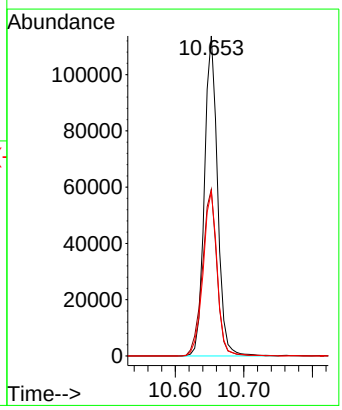


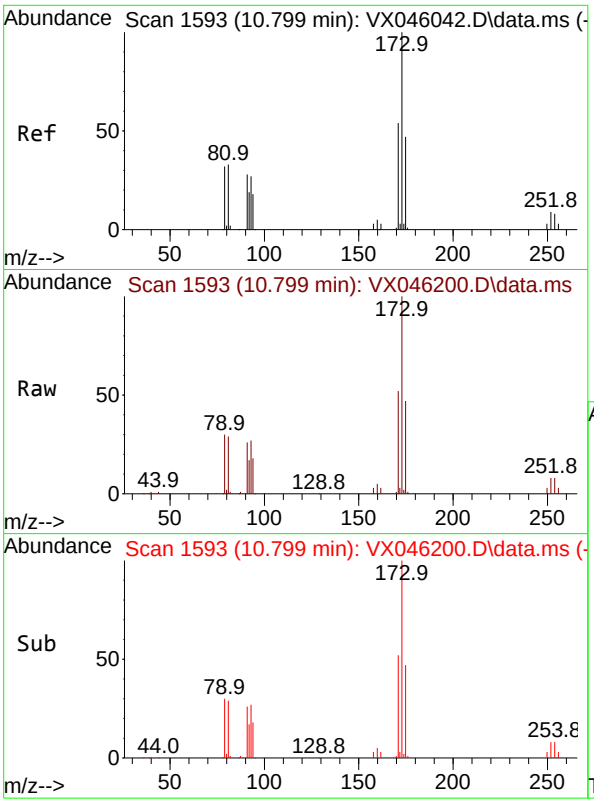


#70
Styrene
Concen: 52.738 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:104 Resp: 151684

Ion	Ratio	Lower	Upper
104	100		
78	57.7	45.7	68.5
103	55.3	43.7	65.5



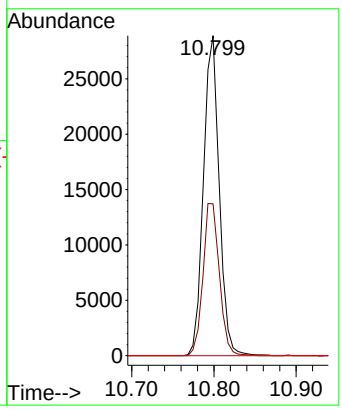


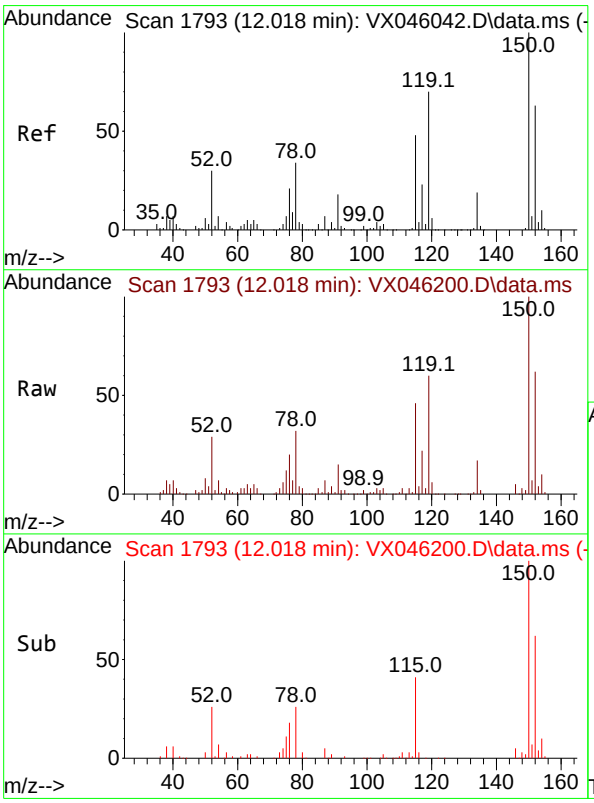
#71
Bromoform
Concen: 53.725 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 38476

Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.4	70.0
254	0.0	0.0	0.0

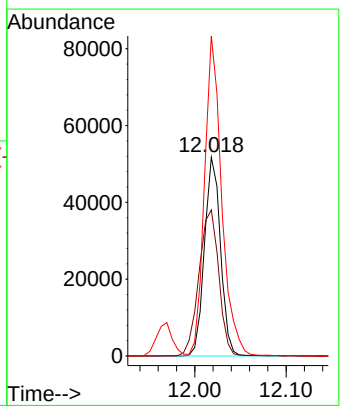


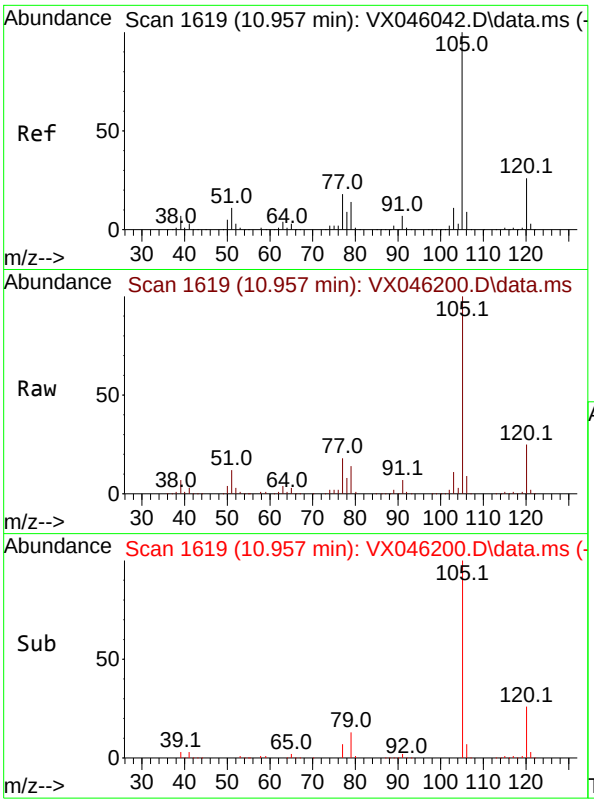


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:152 Resp: 62876

Ion	Ratio	Lower	Upper
152	100		
115	91.3	46.9	140.7
150	172.9	0.0	351.0



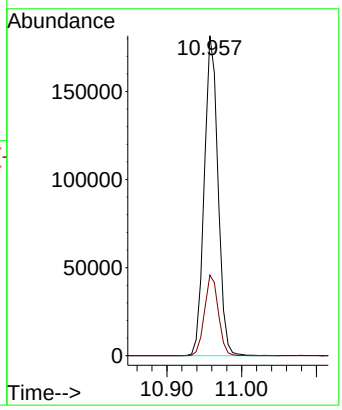


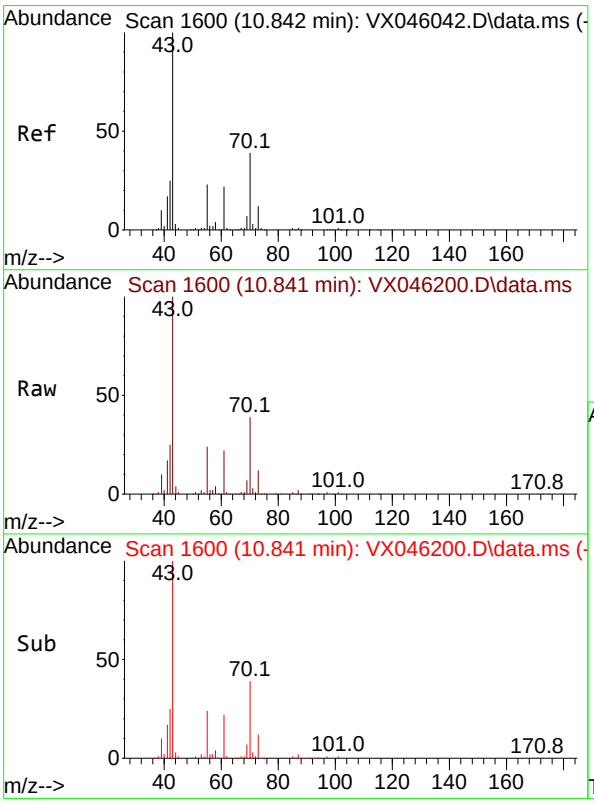
#73
Isopropylbenzene
Concen: 47.190 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 230998

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

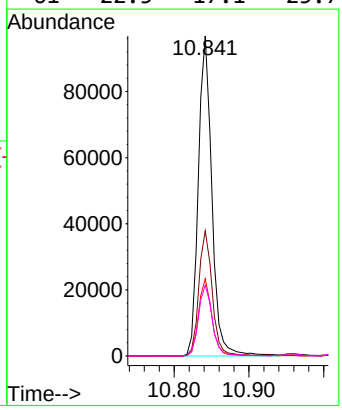


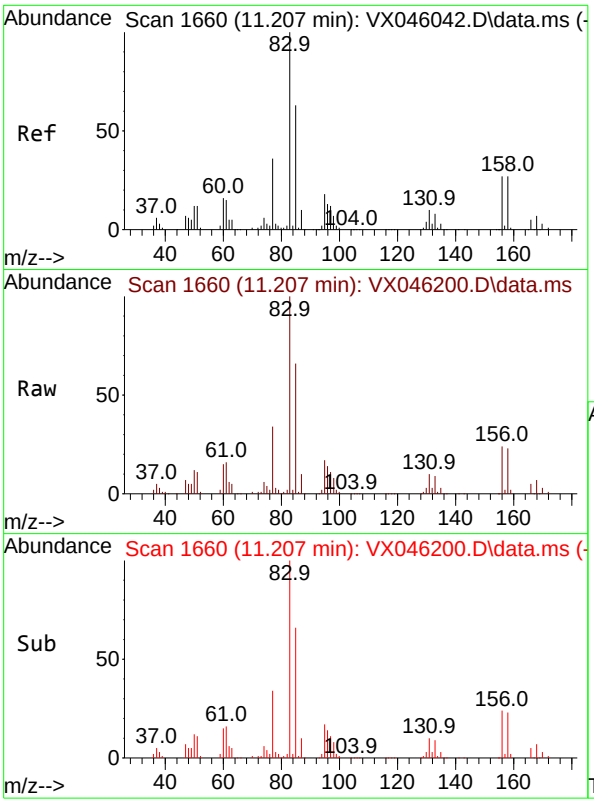


#74
N-amyl acetate
Concen: 50.481 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 43 Resp: 122108

Ion	Ratio	Lower	Upper
43	100		
70	38.8	30.9	46.3
55	23.7	18.7	28.1
61	22.5	17.1	25.7



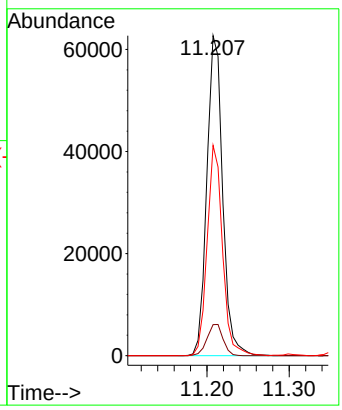


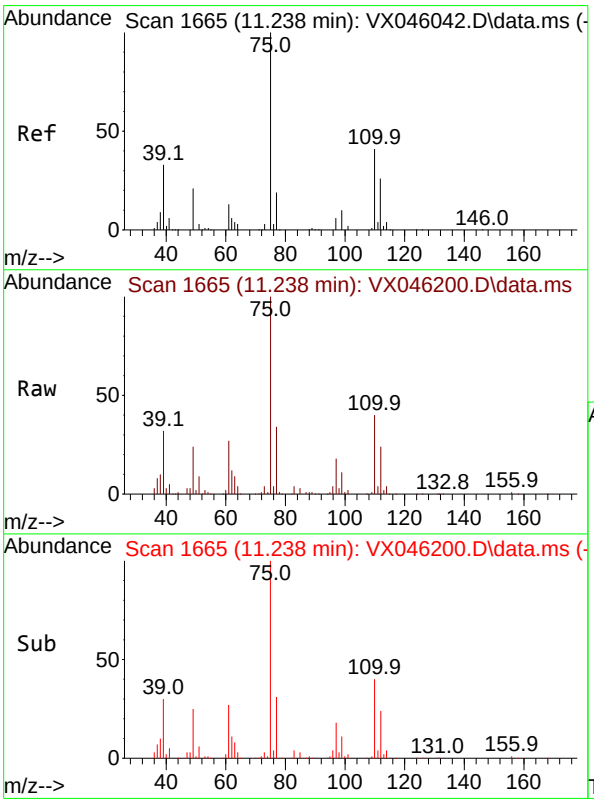
#75
1,1,2,2-Tetrachloroethane
Concen: 48.729 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 83590

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.8	31.9	95.7

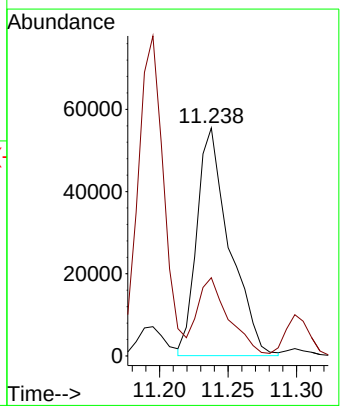


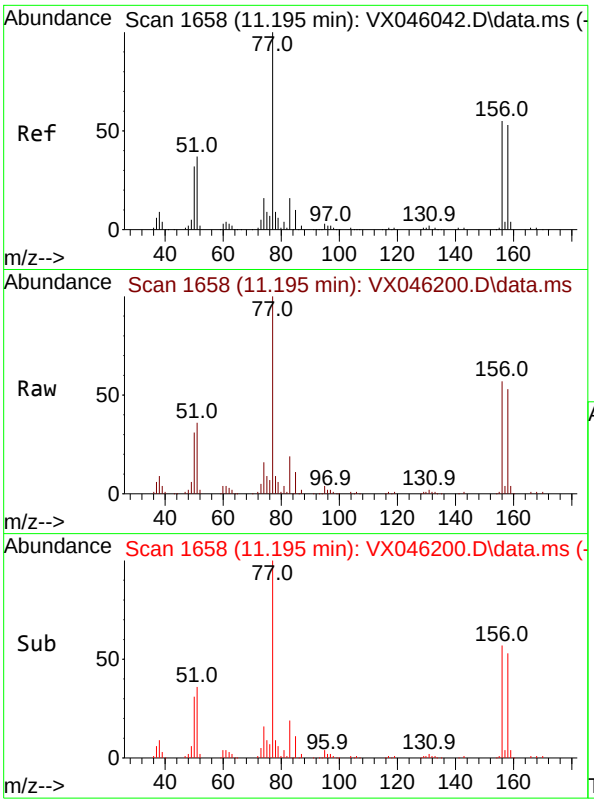


#76
1,2,3-Trichloropropane
Concen: 60.905 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 92177

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.5	61.5



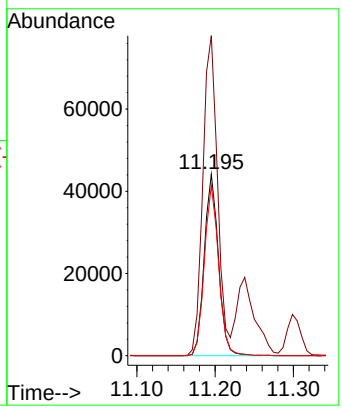


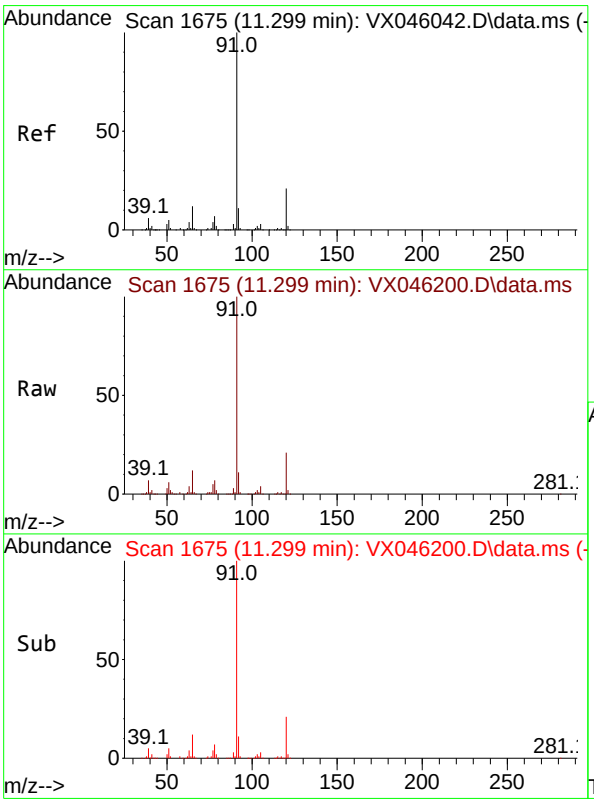
#77
Bromobenzene
Concen: 48.804 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 55464

Ion	Ratio	Lower	Upper
156	100		
77	183.0	92.8	278.3
158	94.3	48.8	146.3

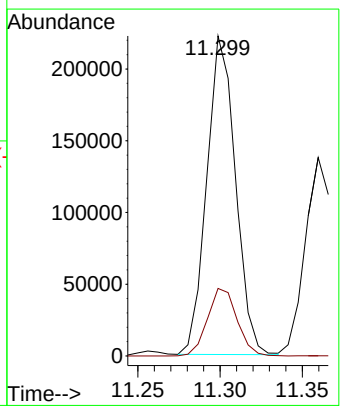


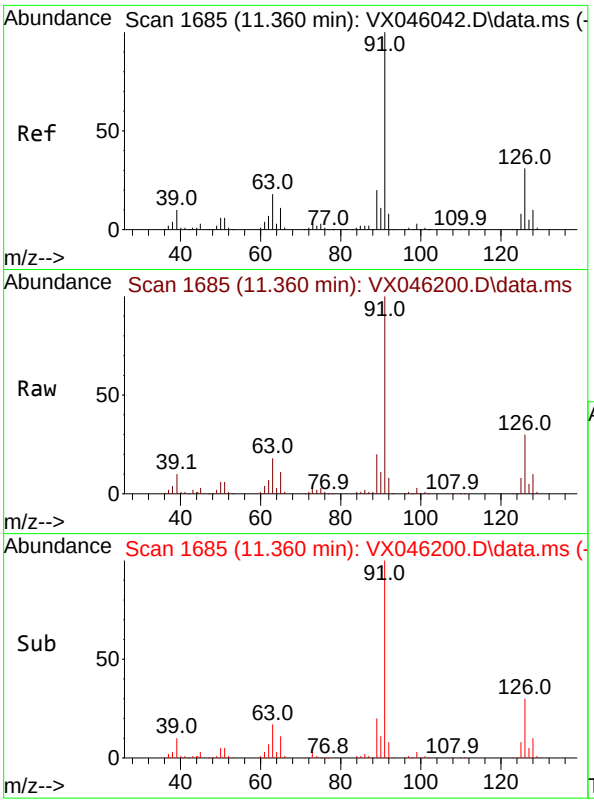


#78
n-propylbenzene
Concen: 47.411 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 91 Resp: 269850

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



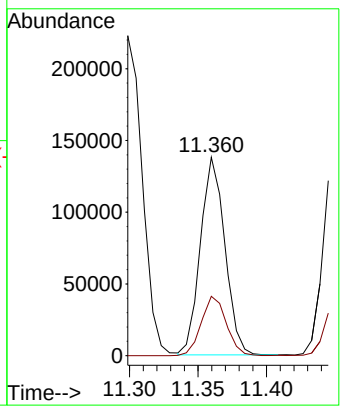


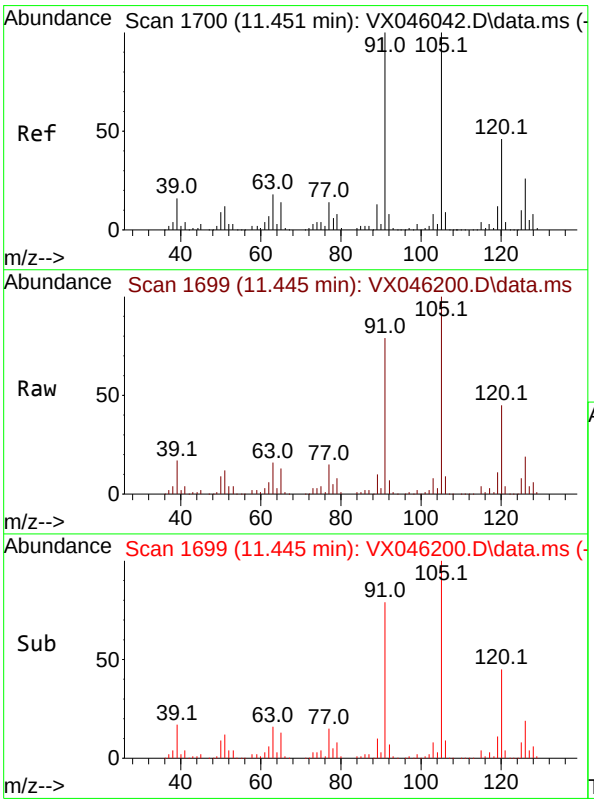
#79
2-Chlorotoluene
Concen: 46.619 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 171147

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7

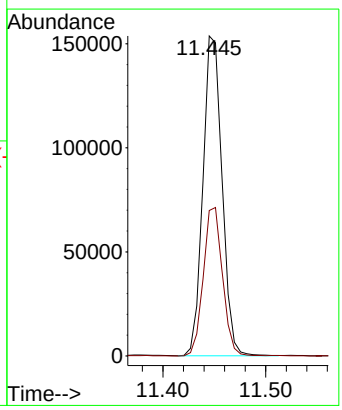


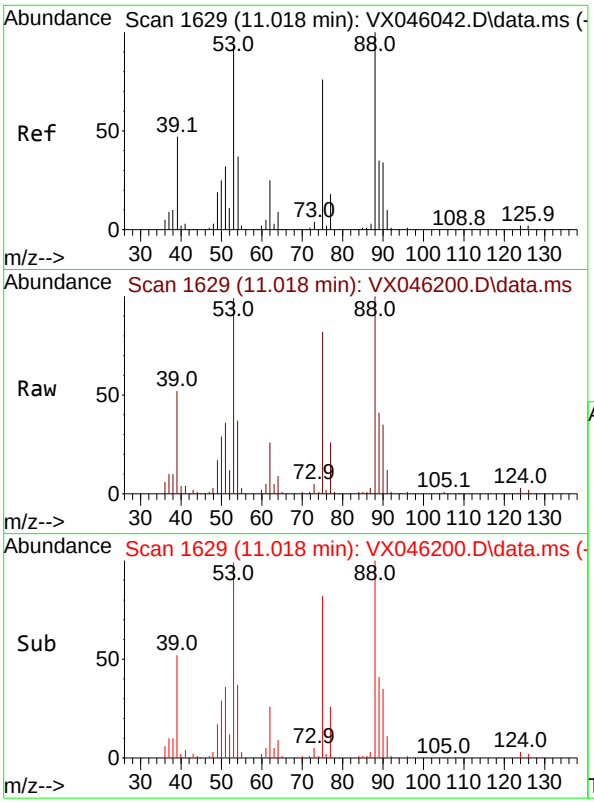


#80
1,3,5-Trimethylbenzene
Concen: 48.706 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:105 Resp: 199182

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2



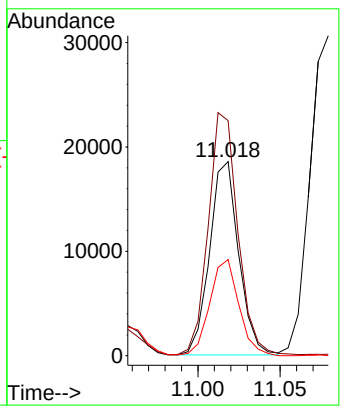


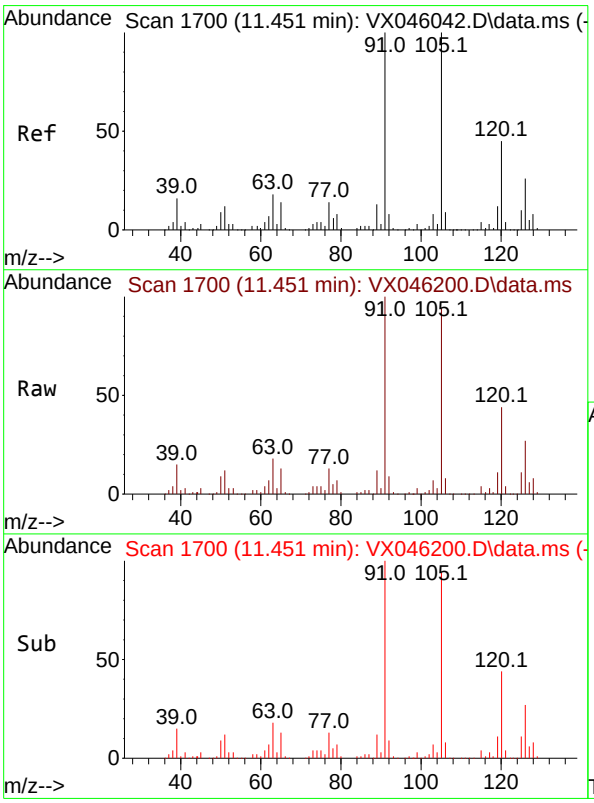
#81
trans-1,4-Dichloro-2-butene
Concen: 49.180 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 22862

Ion	Ratio	Lower	Upper
75	100		
53	126.5	100.5	150.7
89	49.6	37.0	55.6

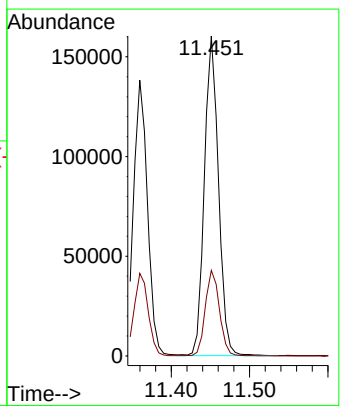


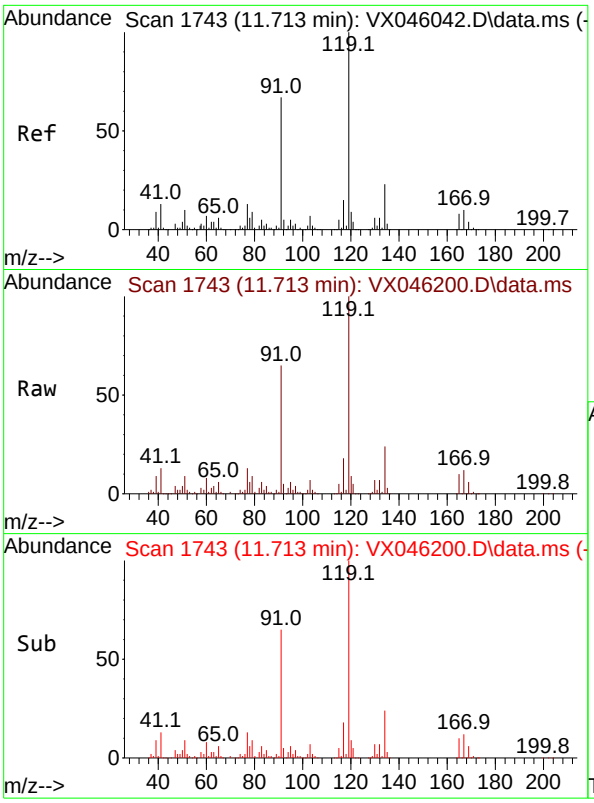


#82
4-Chlorotoluene
Concen: 49.106 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 91 Resp: 199920

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8



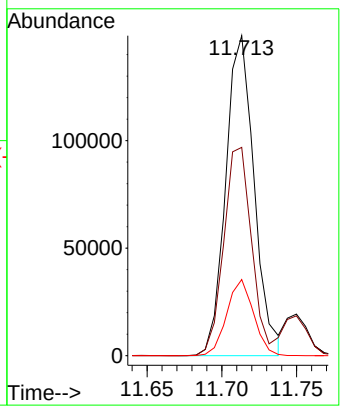


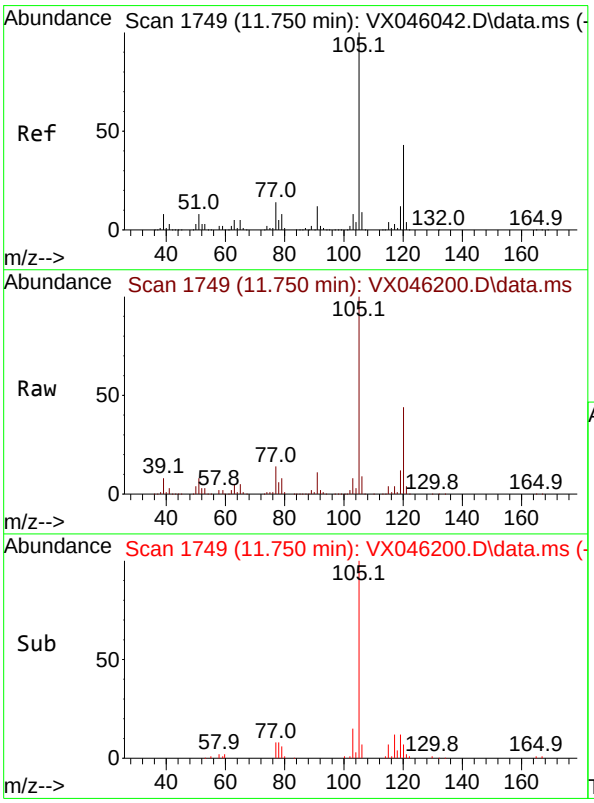
#83
tert-Butylbenzene
Concen: 47.815 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 196965

Ion	Ratio	Lower	Upper
119	100		
91	63.5	32.9	98.7
134	22.4	11.4	34.1

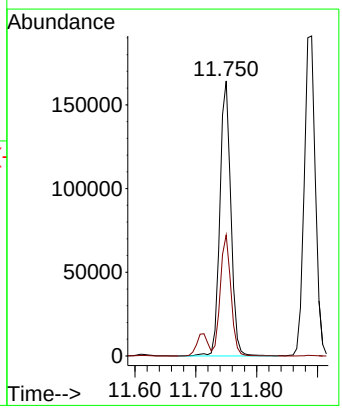


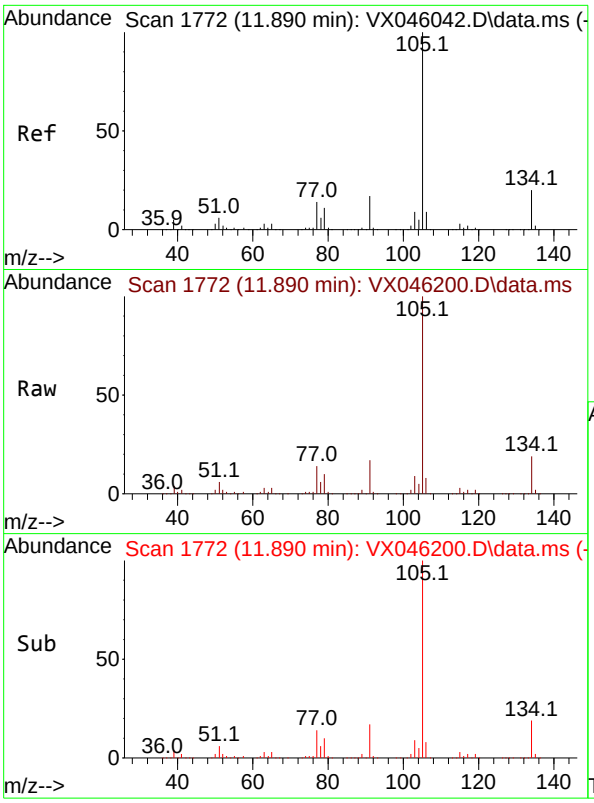


#84
1,2,4-Trimethylbenzene
Concen: 49.424 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:105 Resp: 204684

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.2	63.6



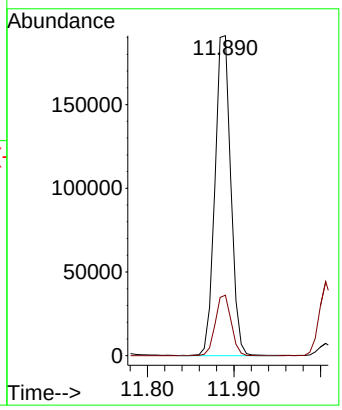


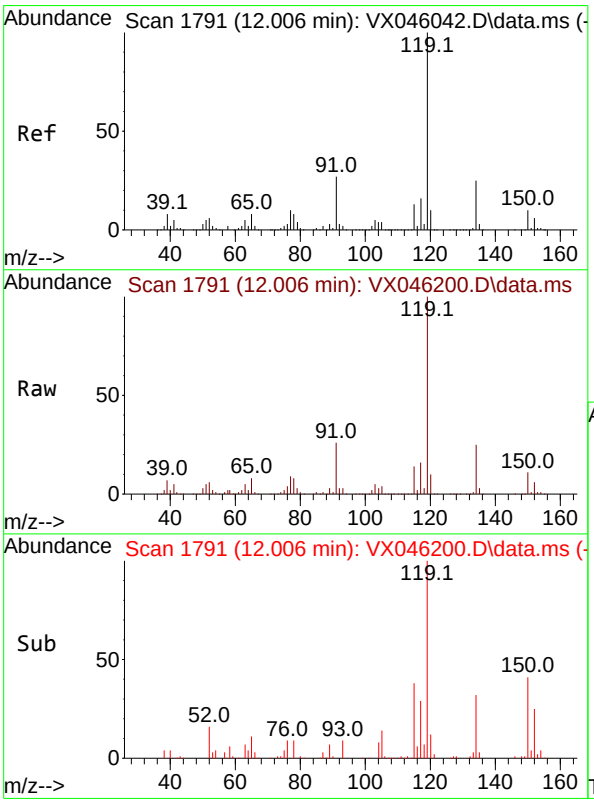
#85
sec-Butylbenzene
Concen: 48.084 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 243197

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1

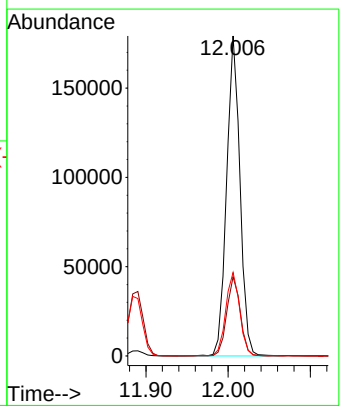


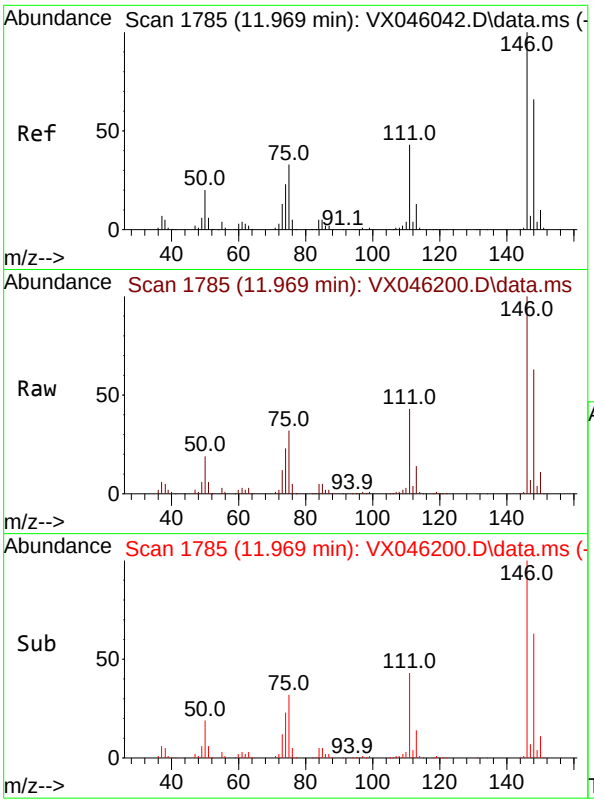


#86
p-Isopropyltoluene
Concen: 48.515 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:119 Resp: 202544

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.5	37.5
91	27.2	13.8	41.4



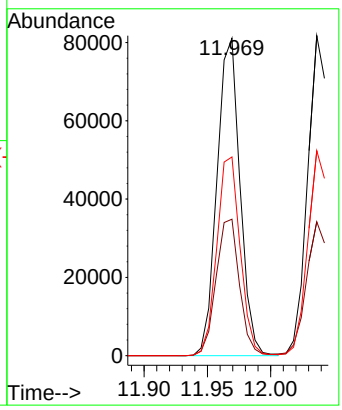


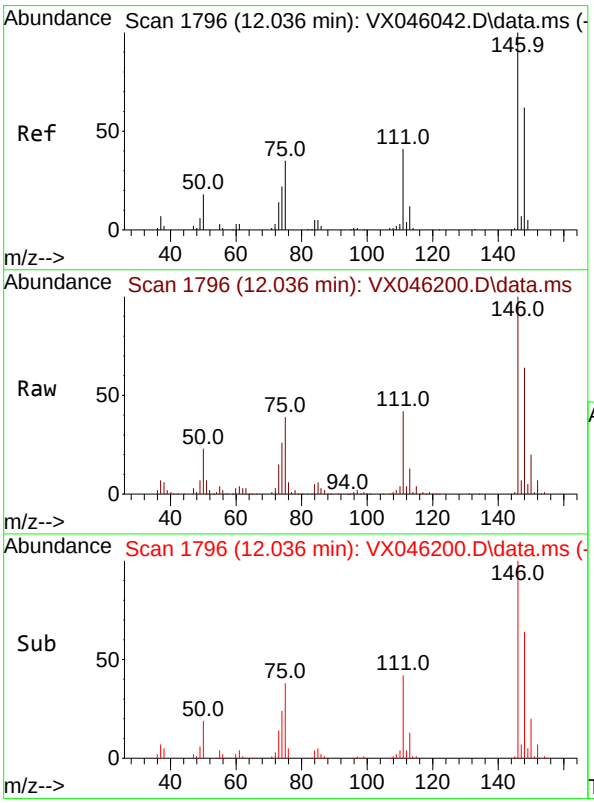
#87
1,3-Dichlorobenzene
Concen: 49.424 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 102510

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.3
148	63.6	32.1	96.5

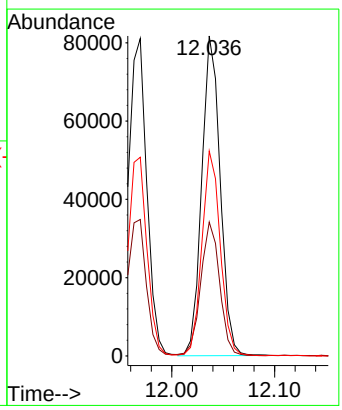


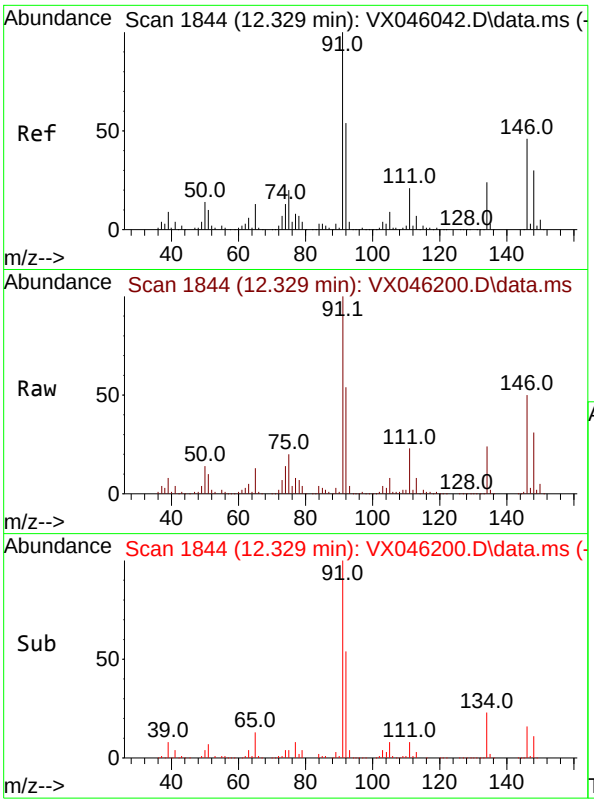


#88
1,4-Dichlorobenzene
Concen: 48.327 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:146 Resp: 102366

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	63.6	31.9	95.5



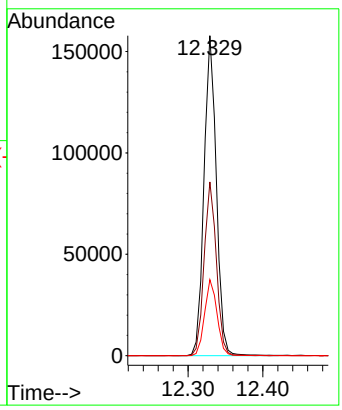


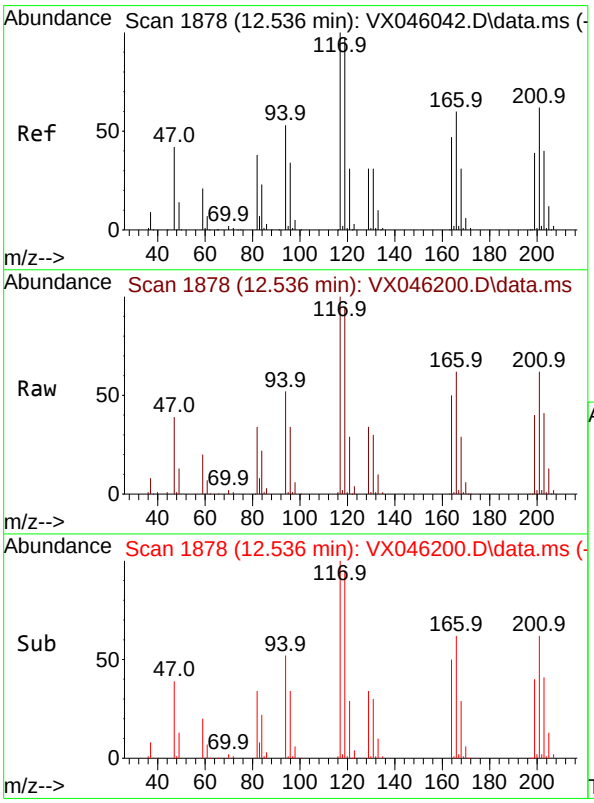
#89
n-Butylbenzene
Concen: 49.306 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 180561

Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.7
134	24.0	11.8	35.3

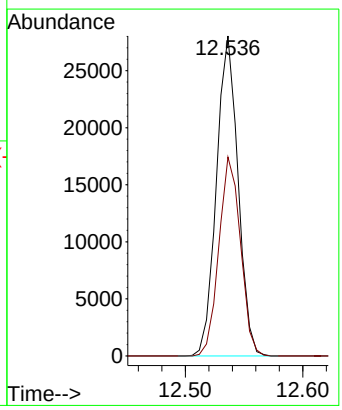


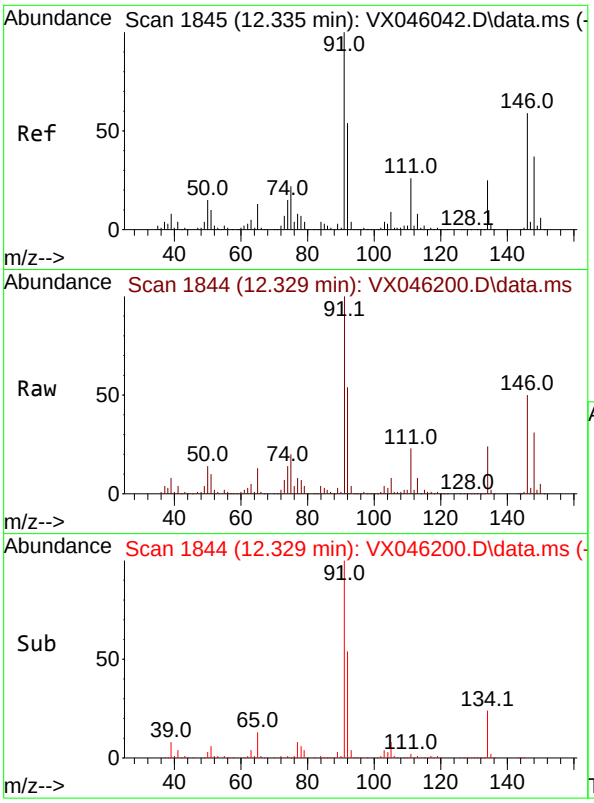


#90
Hexachloroethane
Concen: 48.648 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:117 Resp: 35781

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.6	94.7



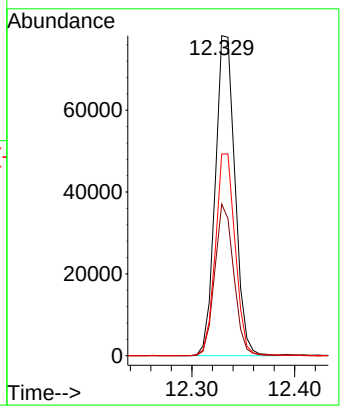


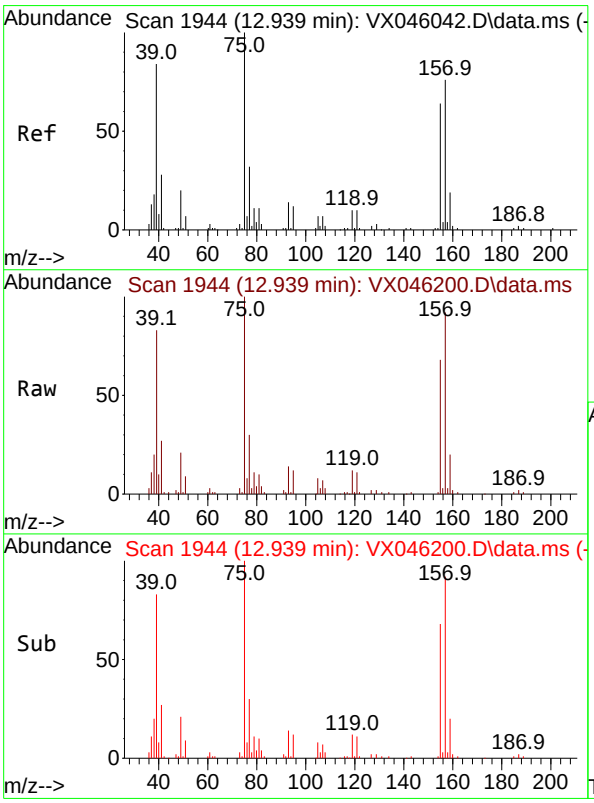
#91
1,2-Dichlorobenzene
Concen: 50.026 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 104120

Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.4	67.3
148	63.3	31.6	94.8

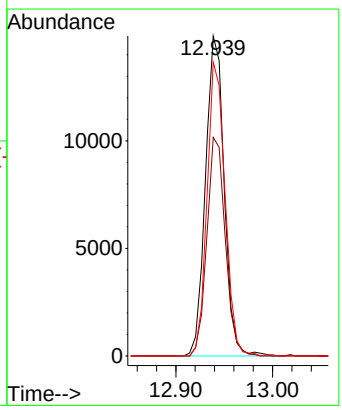


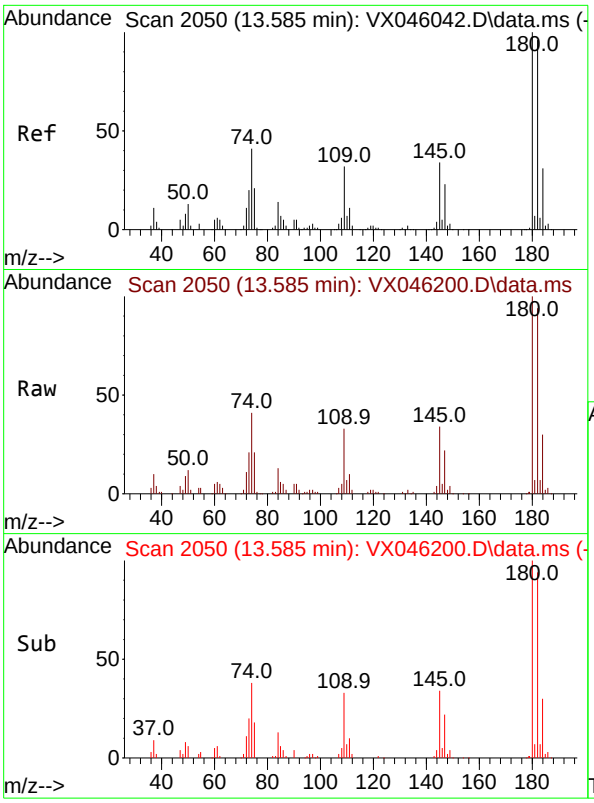


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.658 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion: 75 Resp: 20011

Ion	Ratio	Lower	Upper
75	100		
155	67.3	34.9	104.8
157	88.4	43.8	131.4



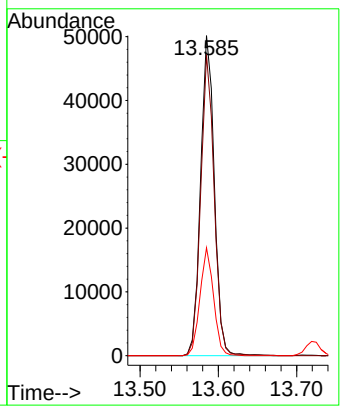


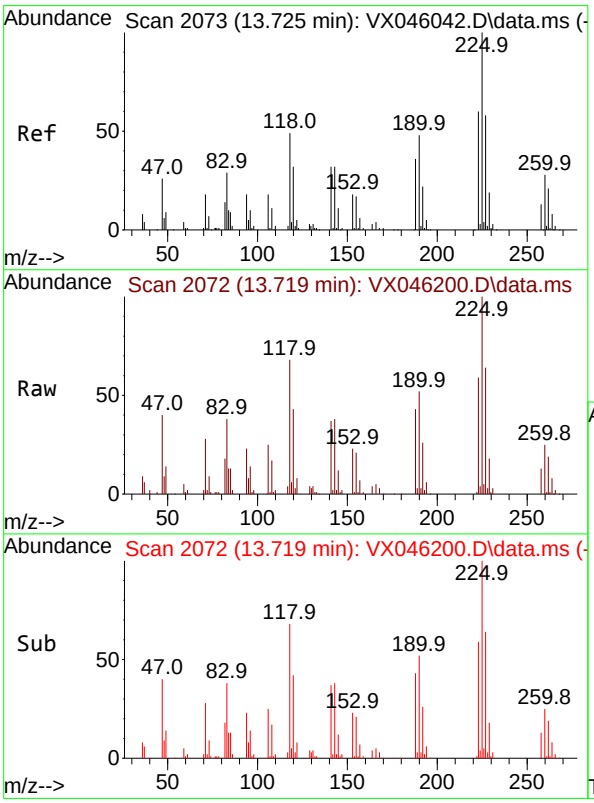
#93
1,2,4-Trichlorobenzene
Concen: 50.990 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 60954

Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.9	143.8
145	33.4	17.1	51.2

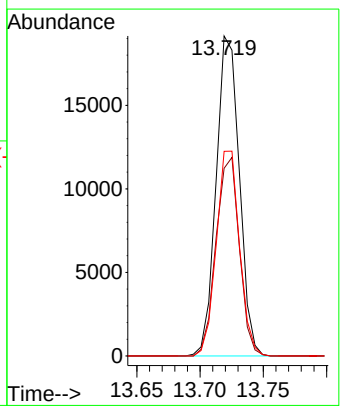


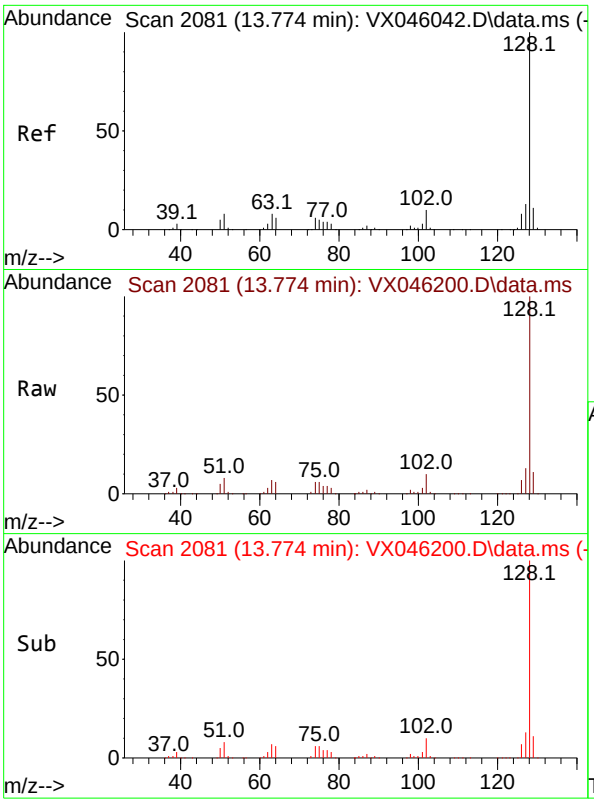


#94
Hexachlorobutadiene
Concen: 46.676 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:225 Resp: 24369

Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.8	92.4
227	64.2	30.9	92.7



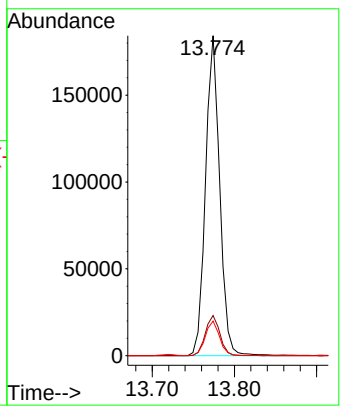


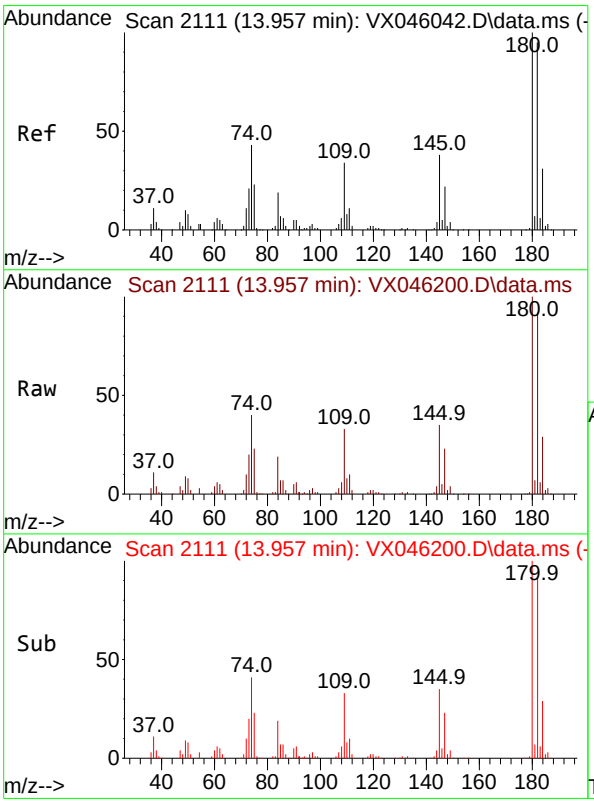
#95
Naphthalene
Concen: 50.155 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 219899

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

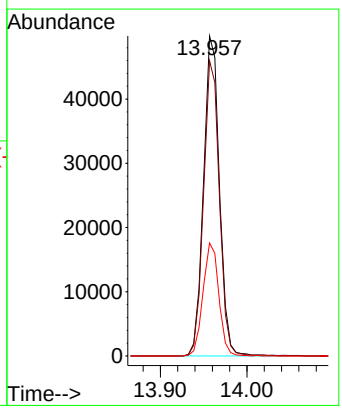




#96
1,2,3-Trichlorobenzene
Concen: 51.494 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046200.D
Acq: 15 May 2025 09:52

Tgt Ion:180 Resp: 63516

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.8	143.3
145	35.2	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Quant Time: May 16 01:03:14 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	89041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84109	50.668	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.340%			
35) Dibromofluoromethane	5.379	113	56861	50.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.060%			
50) Toluene-d8	8.647	98	195401	49.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.360%			
62) 4-Bromofluorobenzene	11.079	95	73760	48.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27470	20.157	ug/l	99
3) Chloromethane	1.307	50	25723	19.463	ug/l	96
4) Vinyl Chloride	1.374	62	23543	19.141	ug/l	97
5) Bromomethane	1.599	94	10767	18.873	ug/l	96
6) Chloroethane	1.672	64	14786	22.518	ug/l	100
7) Trichlorofluoromethane	1.880	101	37119	20.419	ug/l	97
8) Diethyl Ether	2.136	74	11989	19.374	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	22373	19.888	ug/l	98
10) Methyl Iodide	2.447	142	22577	16.961	ug/l	98
11) Tert butyl alcohol	2.971	59	23531	100.985	ug/l	99
12) 1,1-Dichloroethene	2.312	96	20102	19.040	ug/l	98
13) Acrolein	2.233	56	27834	104.889	ug/l	100
14) Allyl chloride	2.660	41	40941	20.290	ug/l	97
15) Acrylonitrile	3.062	53	69714	104.630	ug/l	98
16) Acetone	2.380	43	68020	102.196	ug/l	96
17) Carbon Disulfide	2.508	76	41692	16.656	ug/l	98
18) Methyl Acetate	2.703	43	35065	22.703	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	73662	19.900	ug/l	100
20) Methylene Chloride	2.788	84	24253	19.015	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	20717	19.512	ug/l	97
22) Diisopropyl ether	3.763	45	79562	20.412	ug/l	99
23) Vinyl Acetate	3.721	43	343271	100.132	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43853	20.200	ug/l	98
25) 2-Butanone	4.556	43	102563	106.141	ug/l	100
26) 2,2-Dichloropropane	4.471	77	31325	18.435	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	25770	20.161	ug/l	98
28) Bromochloromethane	4.897	49	23586	22.571	ug/l	100
29) Tetrahydrofuran	5.007	42	64418	106.388	ug/l	98
30) Chloroform	5.086	83	47424	20.958	ug/l	95
31) Cyclohexane	5.464	56	37793	19.104	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	39621	20.199	ug/l	99
36) 1,1-Dichloropropene	5.684	75	29760	19.489	ug/l	99
37) Ethyl Acetate	4.715	43	34932	18.516	ug/l	99
38) Carbon Tetrachloride	5.678	117	33518	19.536	ug/l	99
39) Methylcyclohexane	7.373	83	36070	18.348	ug/l	99
40) Benzene	6.031	78	89803	20.078	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Quant Time: May 16 01:03:14 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	21586	21.872	ug/l		98
42) 1,2-Dichloroethane	6.086	62	39713	20.573	ug/l		99
43) Isopropyl Acetate	6.336	43	57206	19.876	ug/l		99
44) Trichloroethene	7.123	130	20736	19.262	ug/l		92
45) 1,2-Dichloropropane	7.427	63	23243	20.899	ug/l		97
46) Dibromomethane	7.580	93	17546	20.003	ug/l		99
47) Bromodichloromethane	7.818	83	35604	20.608	ug/l		98
48) Methyl methacrylate	7.696	41	30612	20.826	ug/l		98
49) 1,4-Dioxane	7.659	88	12334	441.933	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	203636	106.590	ug/l		98
52) Toluene	8.714	92	54833	19.993	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	28369	18.474	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	33050	19.473	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	22364	20.680	ug/l		99
56) Ethyl methacrylate	9.116	69	34197	19.841	ug/l		96
57) 1,3-Dichloropropane	9.305	76	40187	20.692	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	77611	88.326	ug/l		99
59) 2-Hexanone	9.427	43	152217	107.694	ug/l		99
60) Dibromochloromethane	9.519	129	24617	20.728	ug/l		100
61) 1,2-Dibromoethane	9.604	107	22982	20.447	ug/l		98
64) Tetrachloroethene	9.269	164	19195	19.467	ug/l		94
65) Chlorobenzene	10.079	112	59541	19.520	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20659	19.834	ug/l		99
67) Ethyl Benzene	10.189	91	106589	19.824	ug/l		98
68) m/p-Xylenes	10.299	106	77543	39.431	ug/l		96
69) o-Xylene	10.640	106	38896	20.288	ug/l		99
70) Styrene	10.652	104	64413	20.510	ug/l		99
71) Bromoform	10.799	173	14962	19.133	ug/l	#	97
73) Isopropylbenzene	10.957	105	102905	20.095	ug/l		100
74) N-amyl acetate	10.841	43	49890	19.716	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	35452	19.755	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	37025	23.385	ug/l		90
77) Bromobenzene	11.195	156	23828	20.042	ug/l		99
78) n-propylbenzene	11.299	91	116803	19.617	ug/l		100
79) 2-Chlorotoluene	11.360	91	75590	19.682	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	87288	20.403	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8314	17.096	ug/l		90
82) 4-Chlorotoluene	11.451	91	85228	20.011	ug/l		99
83) tert-Butylbenzene	11.713	119	84725	19.661	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87556	20.209	ug/l		98
85) sec-Butylbenzene	11.890	105	104859	19.818	ug/l		99
86) p-Isopropyltoluene	12.006	119	85808	19.647	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	42774	19.714	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	42819	19.324	ug/l		98
89) n-Butylbenzene	12.329	91	70768	18.472	ug/l		98
90) Hexachloroethane	12.536	117	15473	20.109	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	44184	20.293	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7925	19.934	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	22339	17.863	ug/l		98
94) Hexachlorobutadiene	13.725	225	10065	18.428	ug/l		97
95) Naphthalene	13.774	128	81743	17.822	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	23429	18.157	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Quant Time: May 16 01:03:14 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)

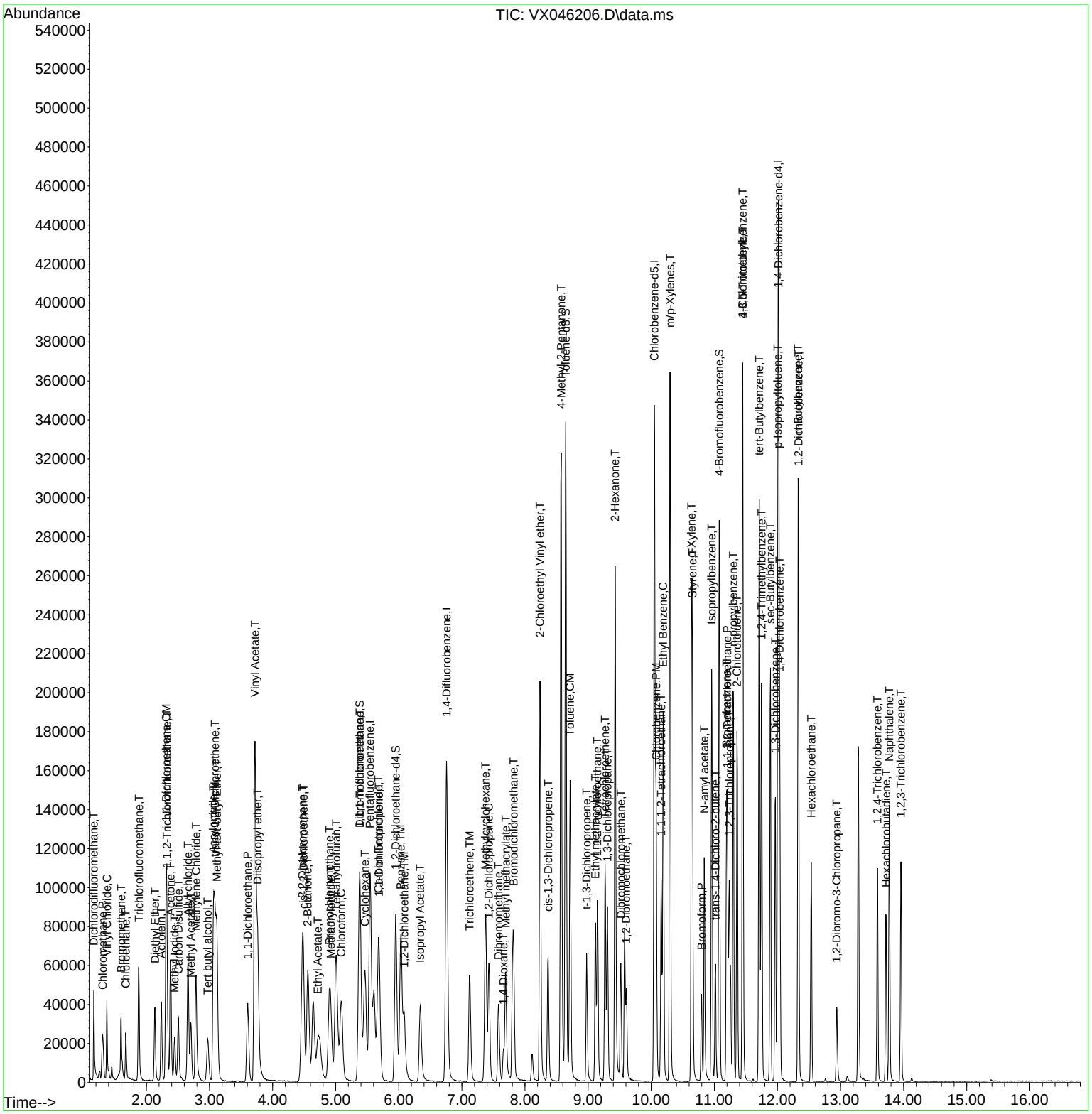
(#) = qualifier out of range (m) = manual integration (+) = signals summed

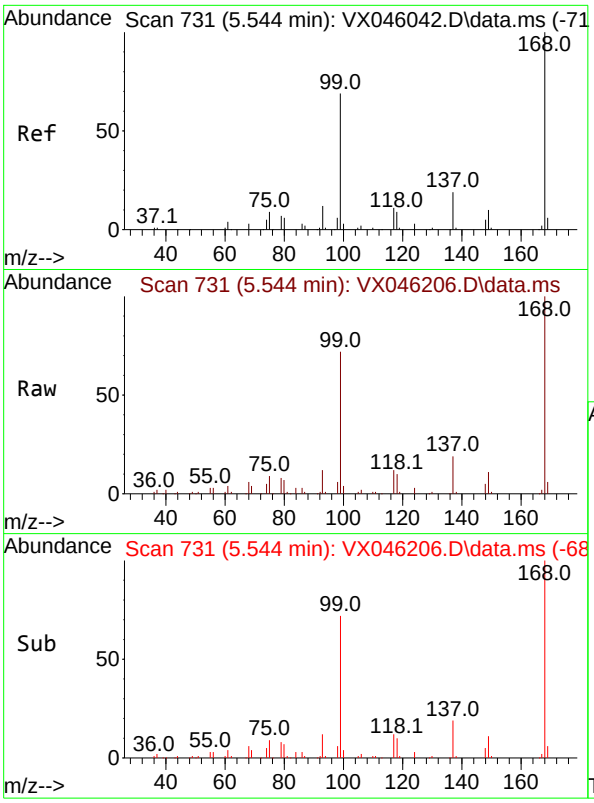
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Quant Time: May 16 01:03:14 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



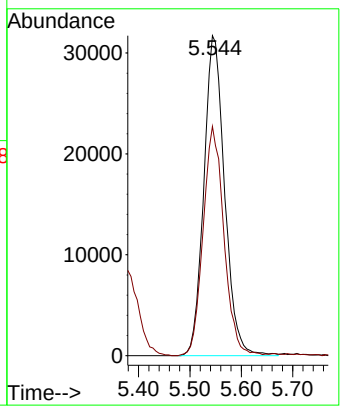


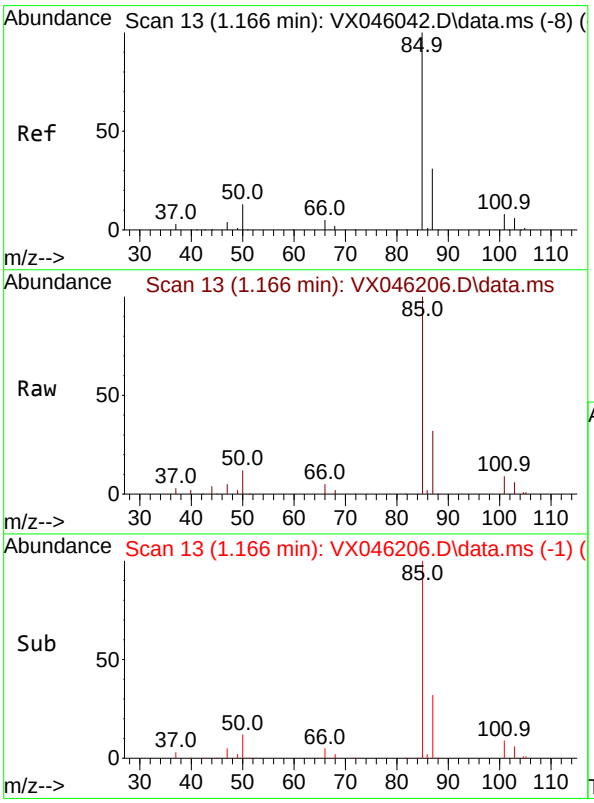
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:168 Resp: 89041

Ion	Ratio	Lower	Upper
168	100		
99	71.6	54.9	82.3

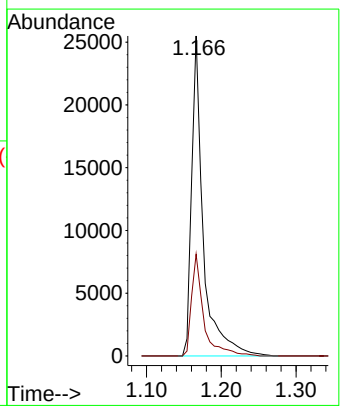


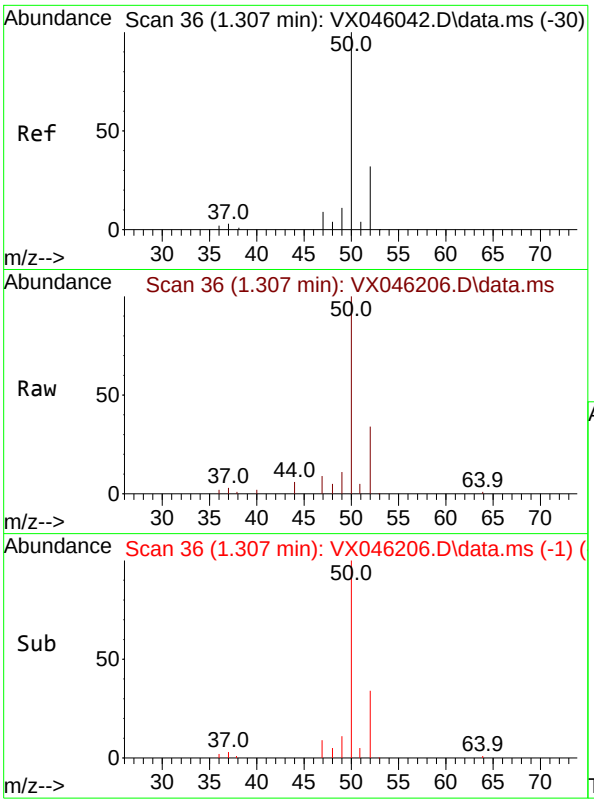


#2
Dichlorodifluoromethane
Concen: 20.157 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 85 Resp: 27470

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.7	47.1



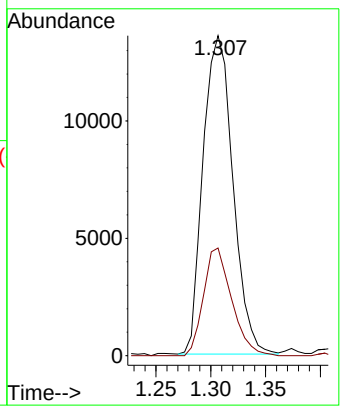


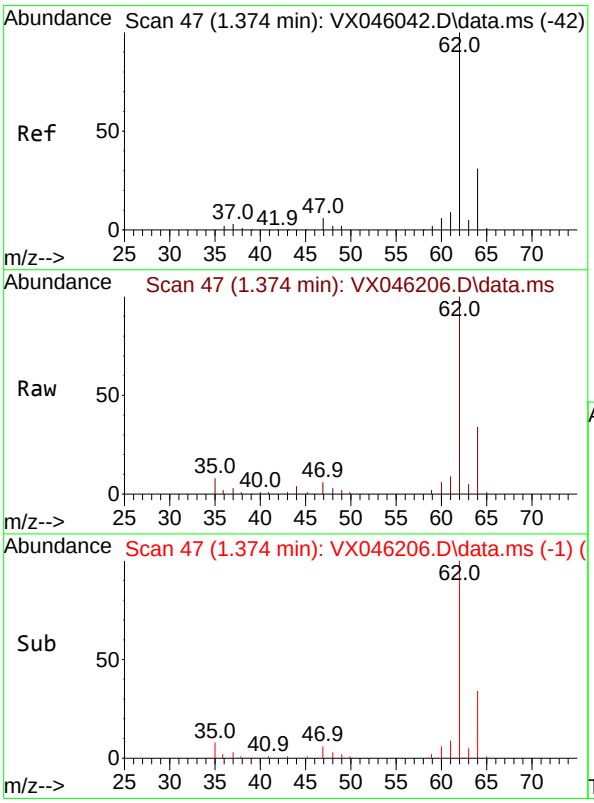
#3
Chloromethane
Concen: 19.463 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 50 Resp: 25723

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.4	38.2

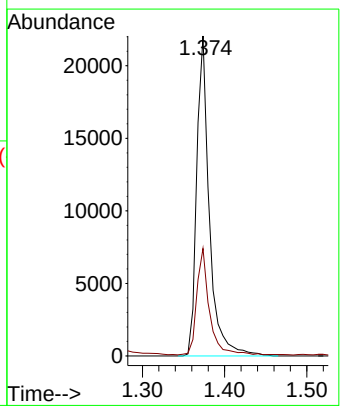


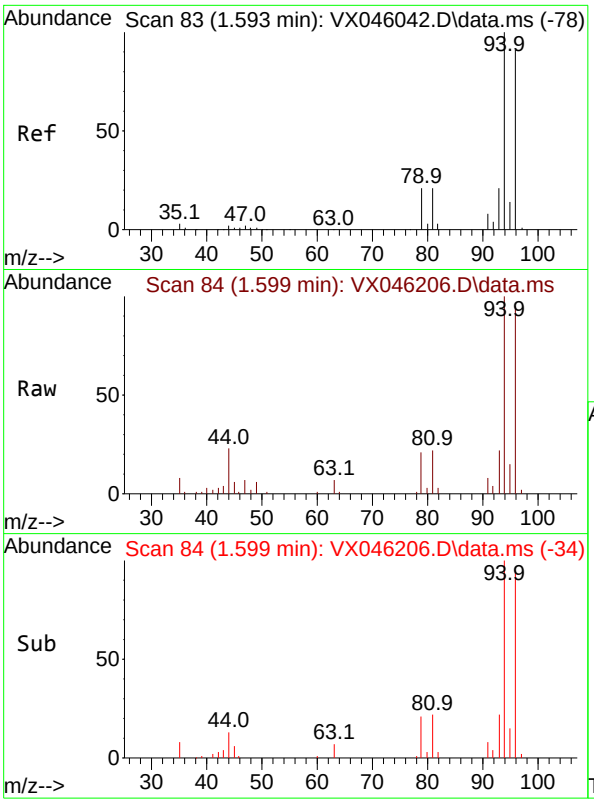


#4
Vinyl Chloride
Concen: 19.141 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 62 Resp: 23543

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.2	37.8



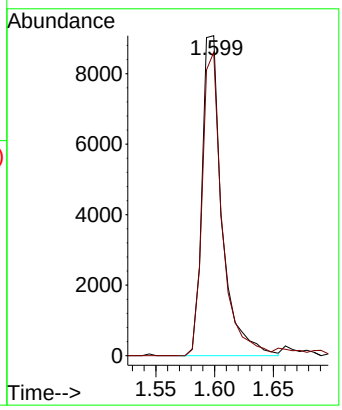


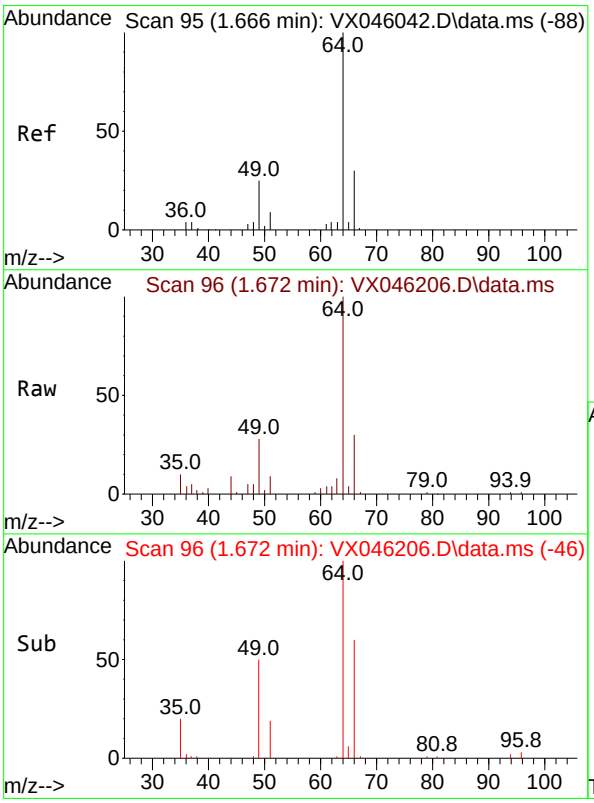
#5
Bromomethane
Concen: 18.873 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 94 Resp: 10767

Ion	Ratio	Lower	Upper
94	100		
96	94.8	72.8	109.2

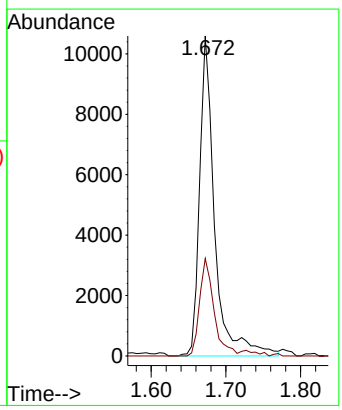


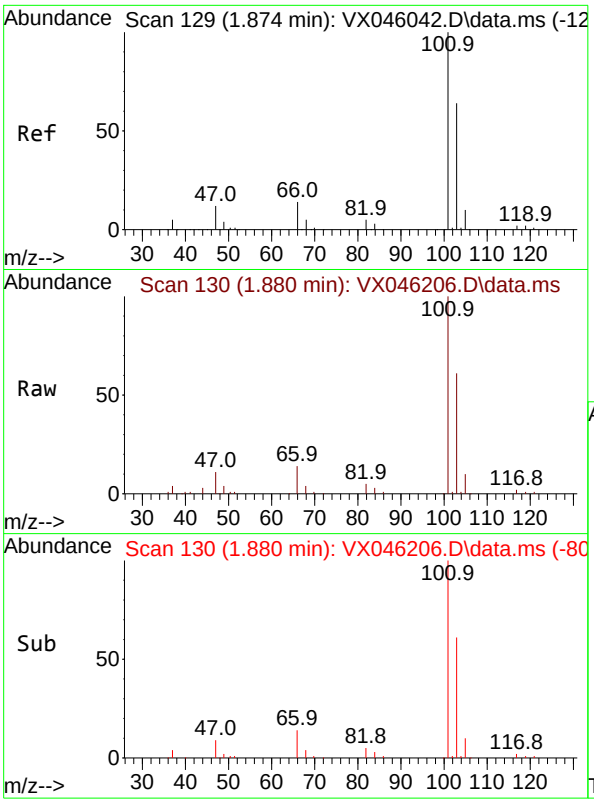


#6
Chloroethane
Concen: 22.518 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 64 Resp: 14786

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.3	36.5



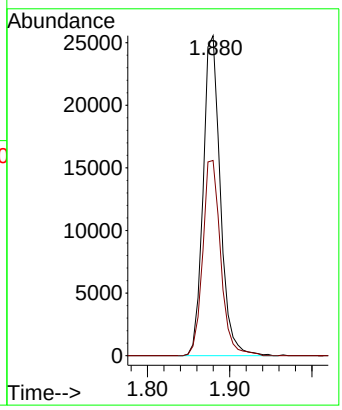


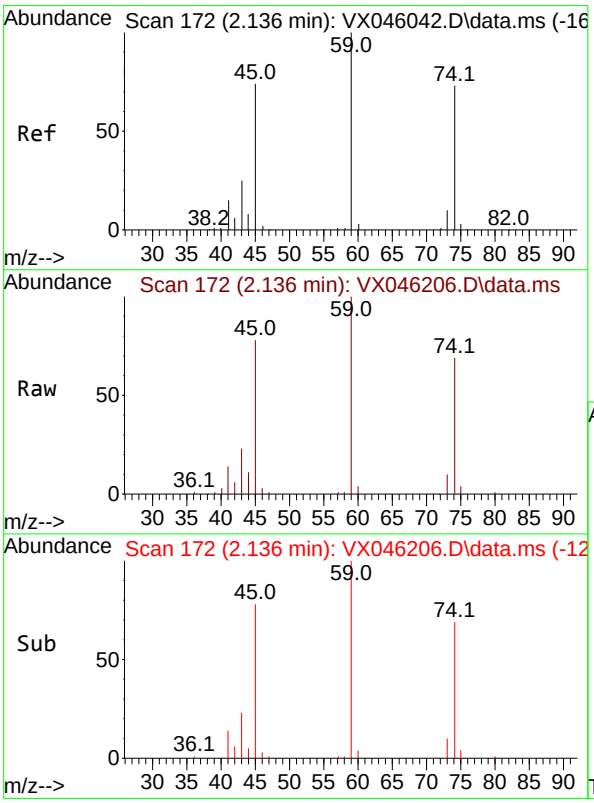
#7
Trichlorofluoromethane
Concen: 20.419 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:101 Resp: 37119

Ion	Ratio	Lower	Upper
101	100		
103	61.0	51.0	76.4

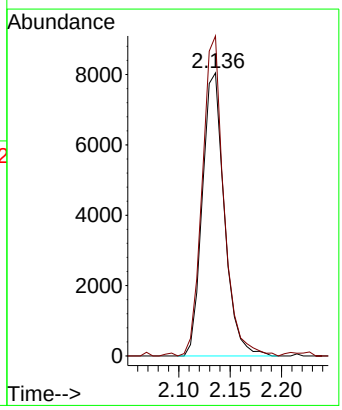


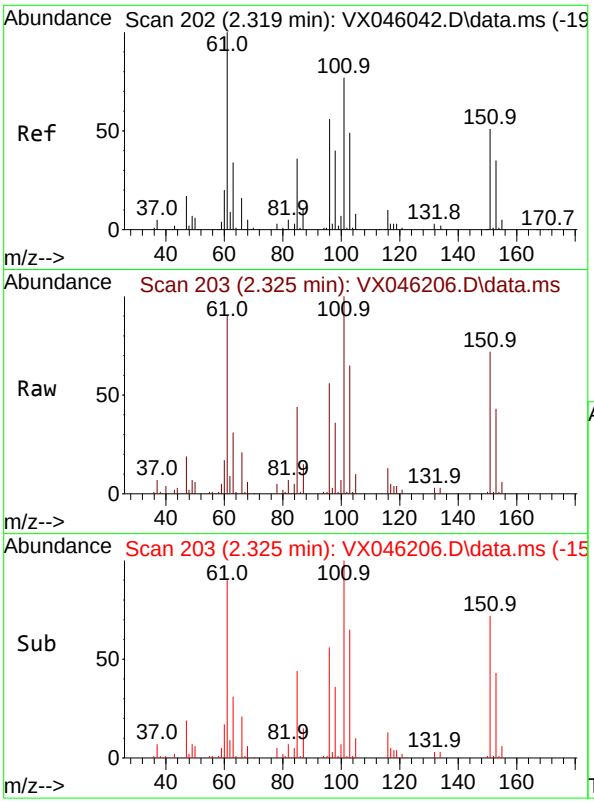


#8
Diethyl Ether
Concen: 19.374 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 74 Resp: 11989

Ion	Ratio	Lower	Upper
74	100		
45	111.2	54.9	164.8



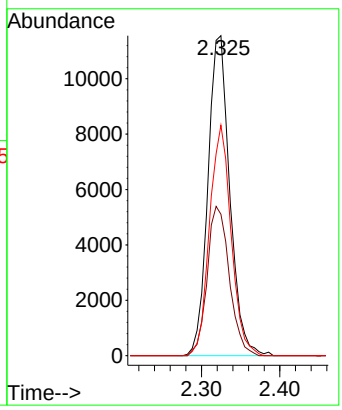


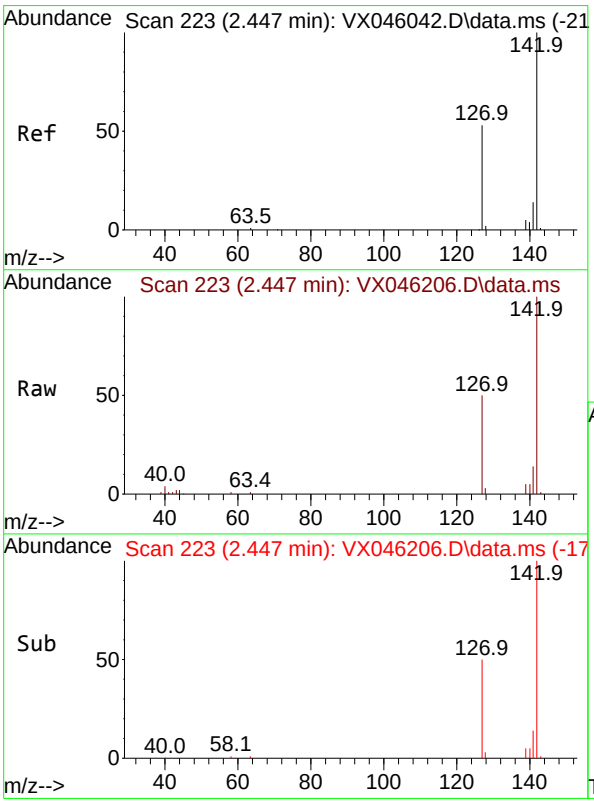
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.888 ug/l
RT: 2.325 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:101 Resp: 22373

Ion	Ratio	Lower	Upper
101	100		
85	47.4	38.6	58.0
151	71.1	55.2	82.8

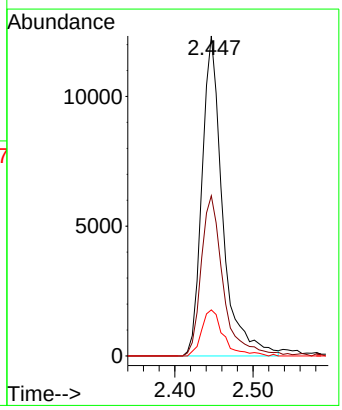


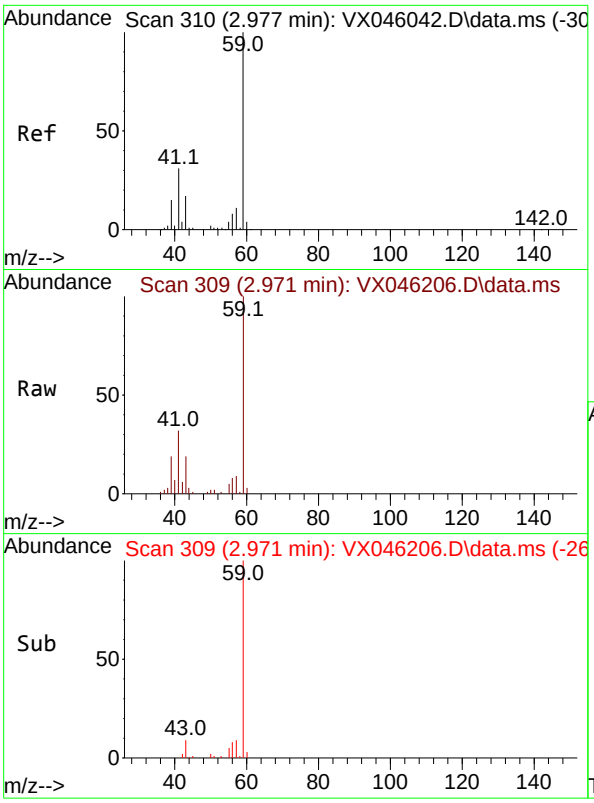


#10
Methyl Iodide
Concen: 16.961 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:142 Resp: 22577

Ion	Ratio	Lower	Upper
142	100		
127	53.5	41.7	62.5
141	15.2	11.5	17.3



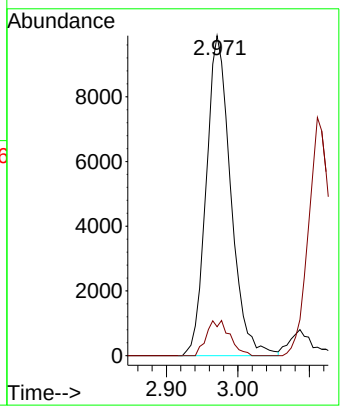


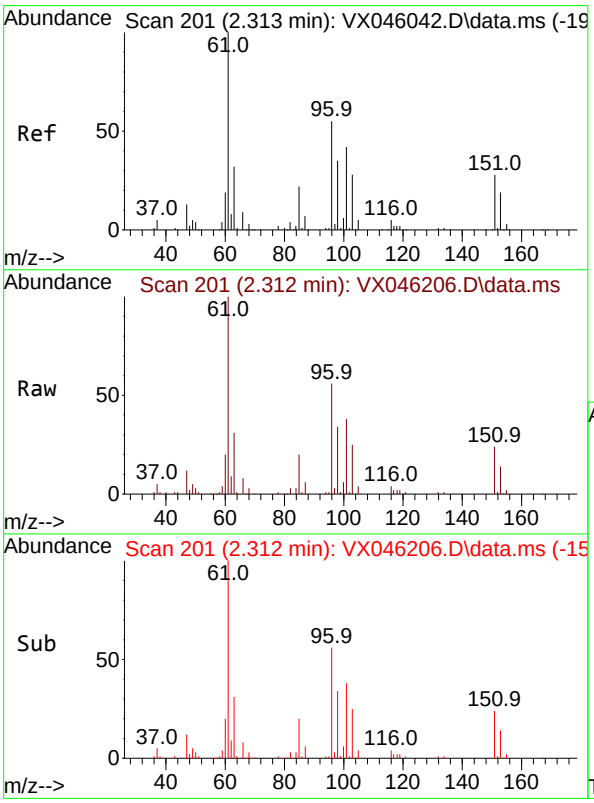
#11
Tert butyl alcohol
Concen: 100.985 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 59 Resp: 23531

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

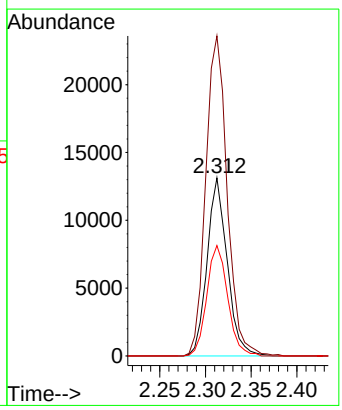


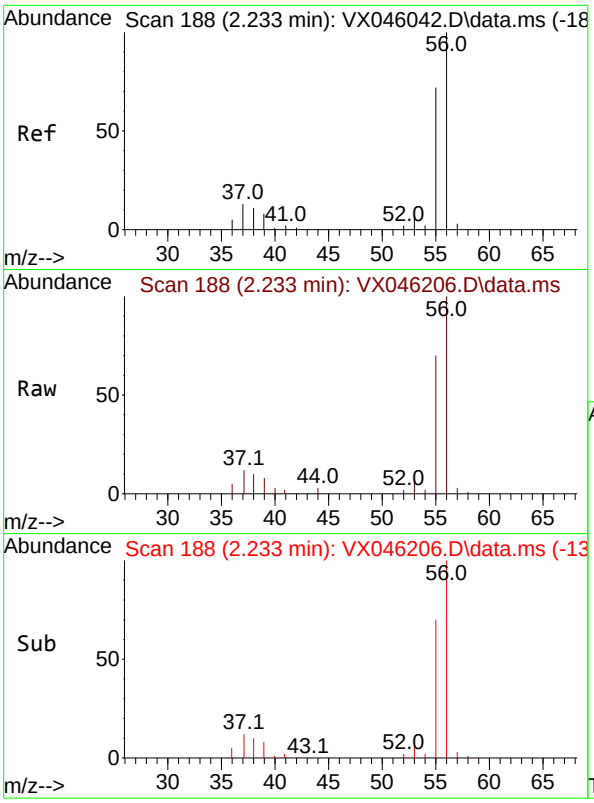


#12
1,1-Dichloroethene
Concen: 19.040 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 96 Resp: 20102

Ion	Ratio	Lower	Upper
96	100		
61	179.7	146.2	219.2
98	62.0	51.0	76.6



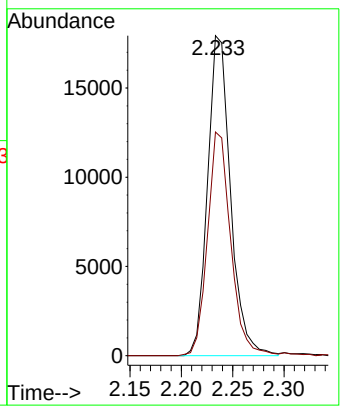


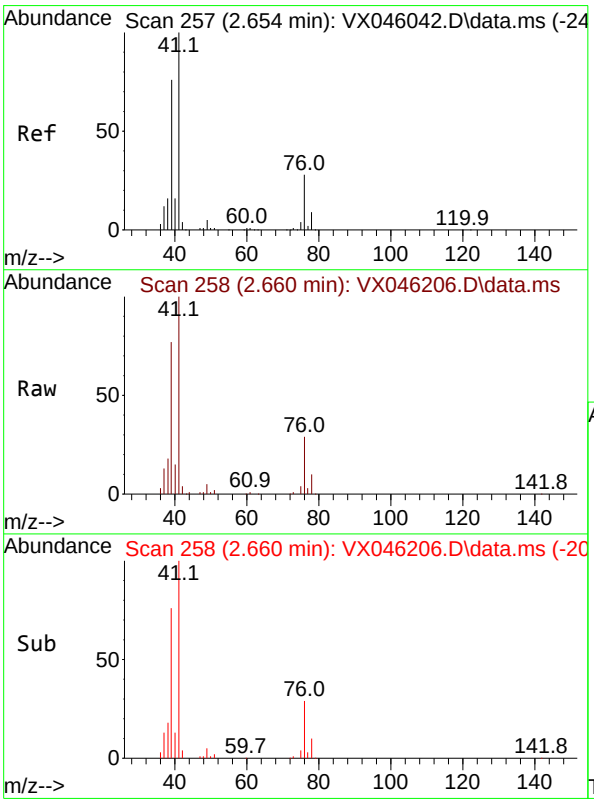
#13
Acrolein
Concen: 104.889 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 56 Resp: 27834

Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.2	84.4

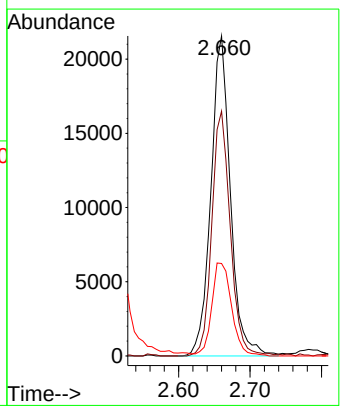


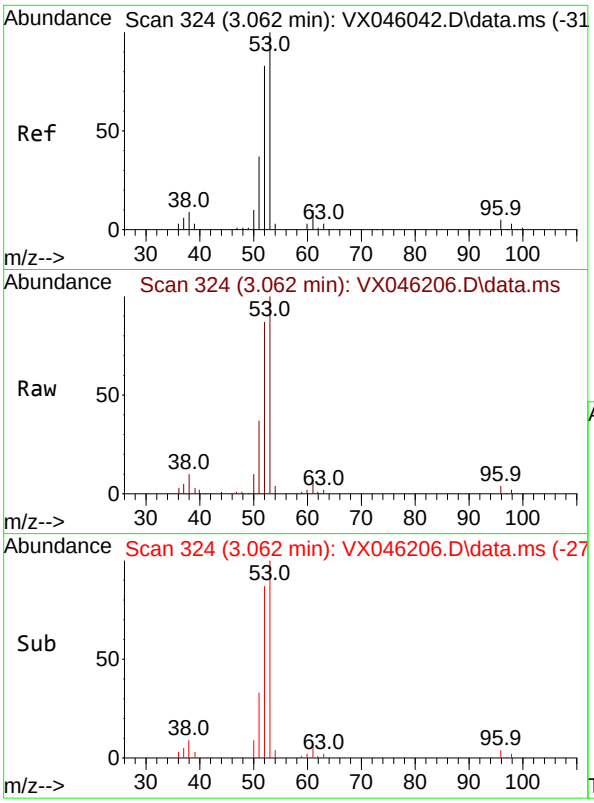


#14
Allyl chloride
Concen: 20.290 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 41 Resp: 40941

Ion	Ratio	Lower	Upper
41	100		
39	72.5	60.6	90.8
76	29.5	24.9	37.3



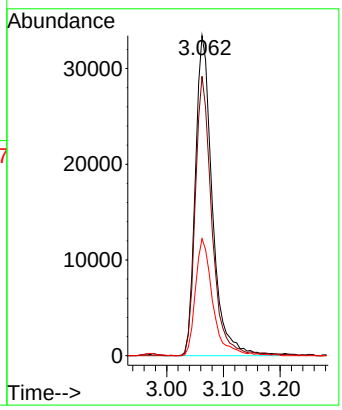


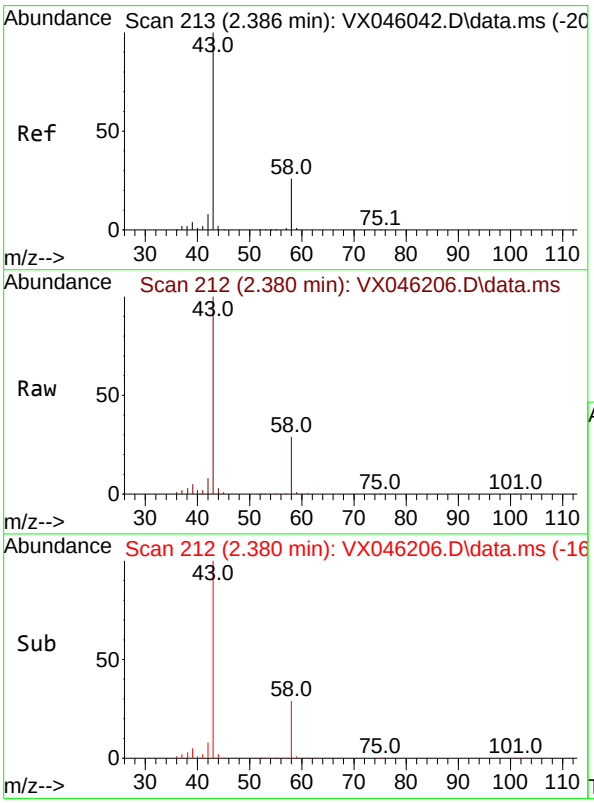
#15
Acrylonitrile
Concen: 104.630 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 53 Resp: 69714

Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.3	97.9
51	37.4	29.8	44.8

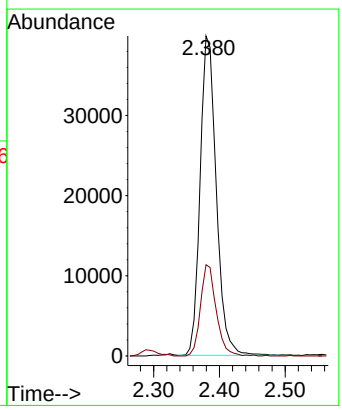


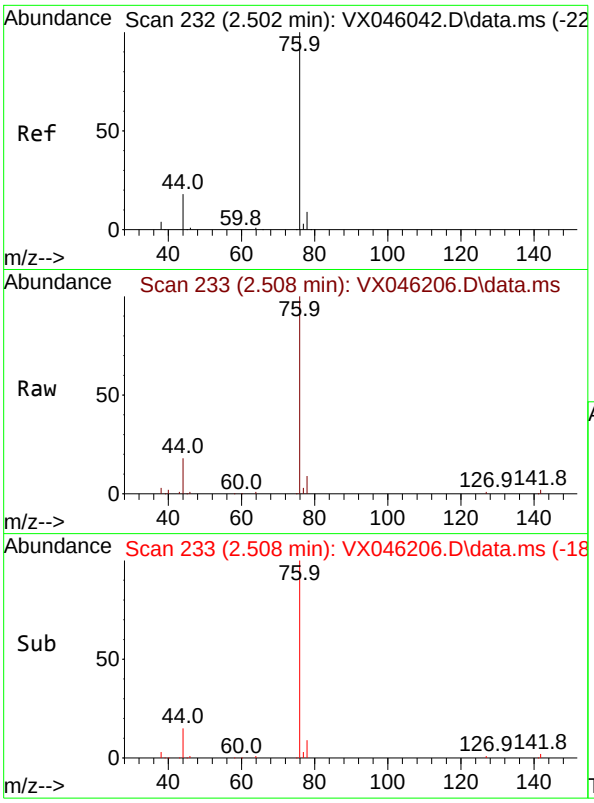


#16
Acetone
Concen: 102.196 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 68020

Ion	Ratio	Lower	Upper
43	100		
58	28.6	21.2	31.8



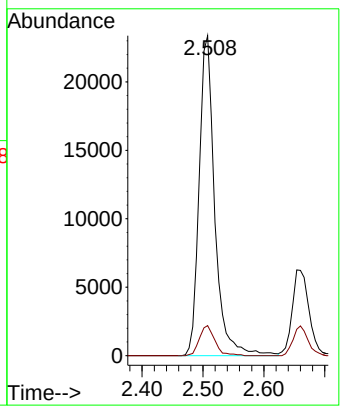


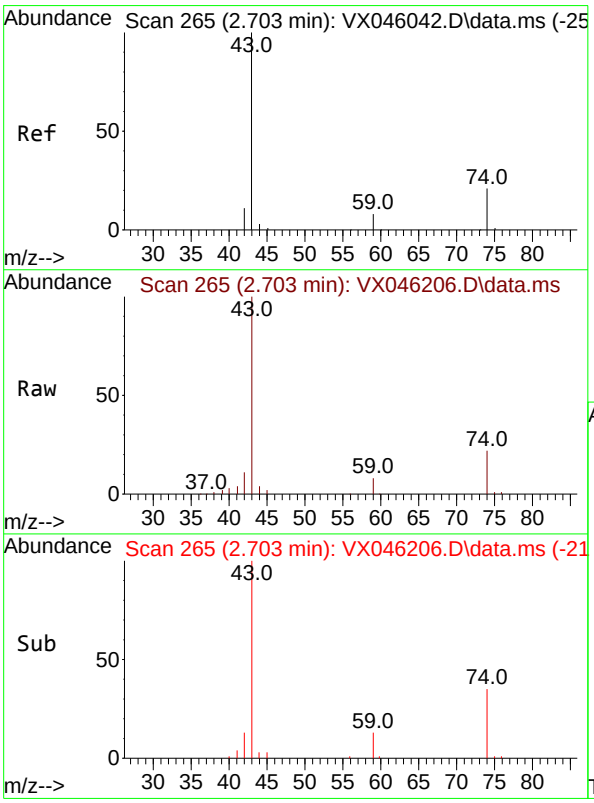
#17
Carbon Disulfide
Concen: 16.656 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 76 Resp: 41692

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

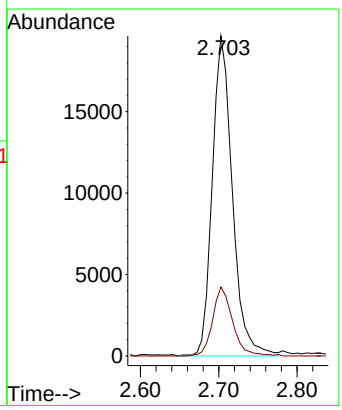


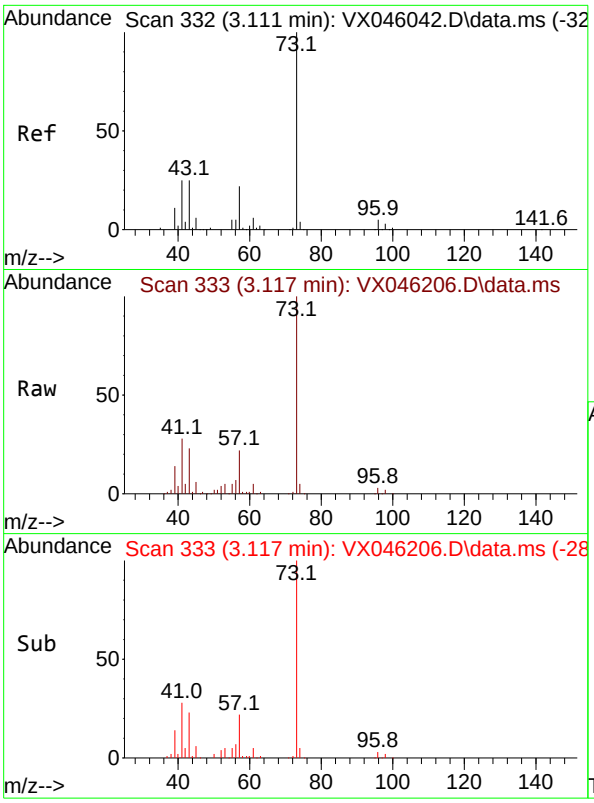


#18
Methyl Acetate
Concen: 22.703 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 35065

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1



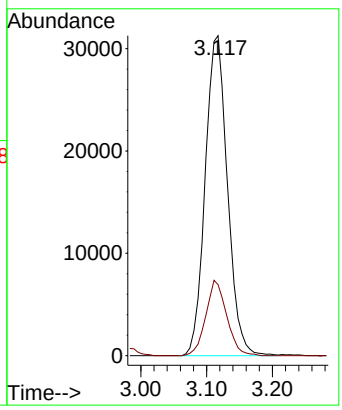


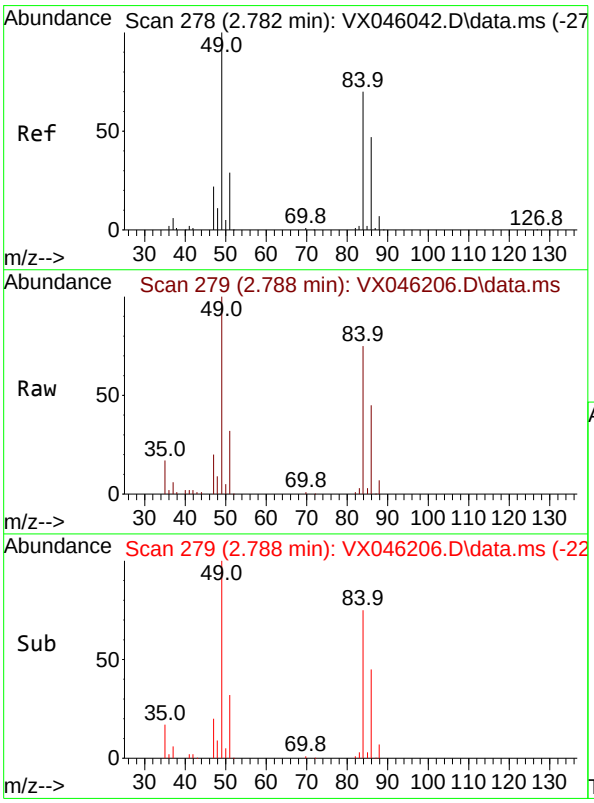
#19
Methyl tert-butyl Ether
Concen: 19.900 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 73 Resp: 73662

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5

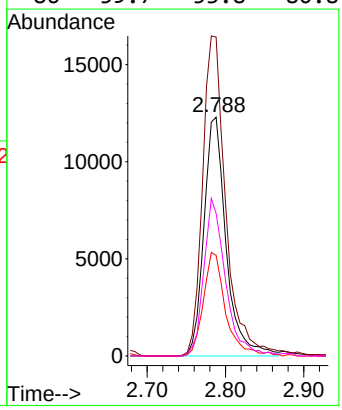


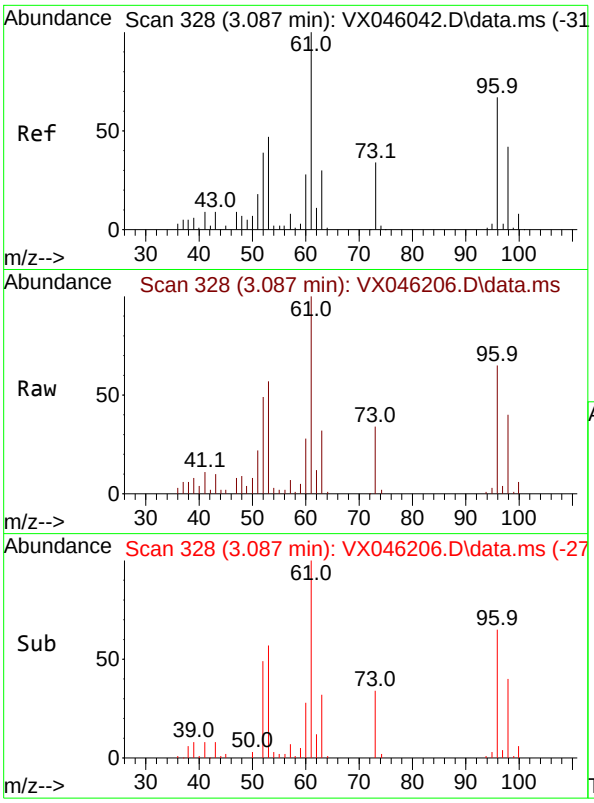


#20
Methylene Chloride
Concen: 19.015 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 84 Resp: 24253

Ion	Ratio	Lower	Upper
84	100		
49	133.6	113.9	170.9
51	42.2	33.5	50.3
86	59.7	53.8	80.8



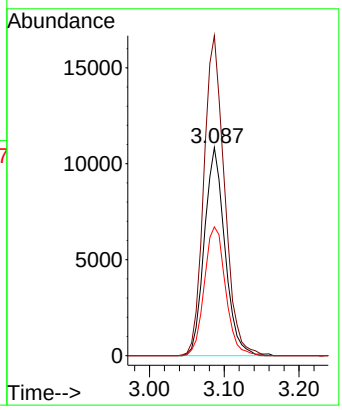


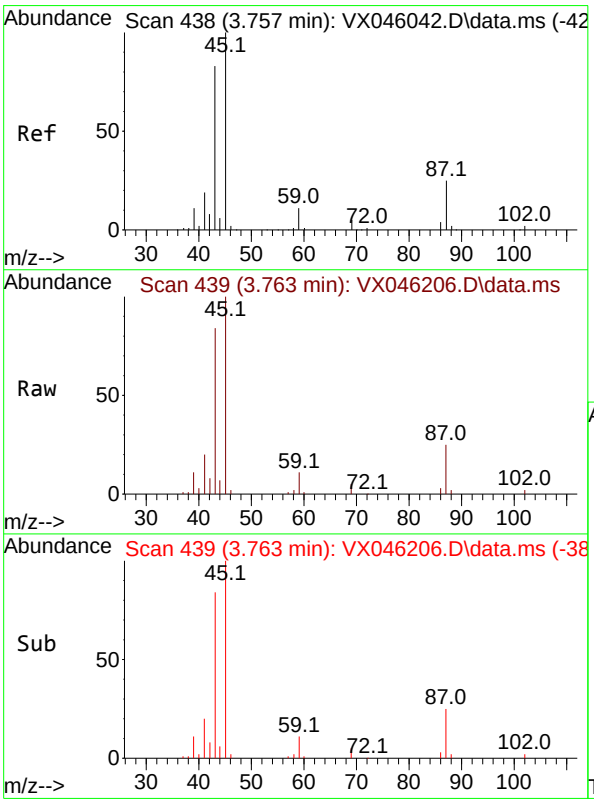
#21
trans-1,2-Dichloroethene
Concen: 19.512 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 96 Resp: 20717

Ion	Ratio	Lower	Upper
96	100		
61	153.8	119.5	179.3
98	61.9	50.0	75.0

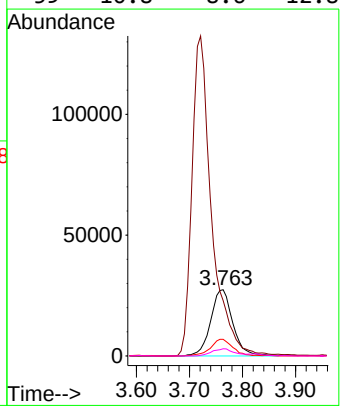


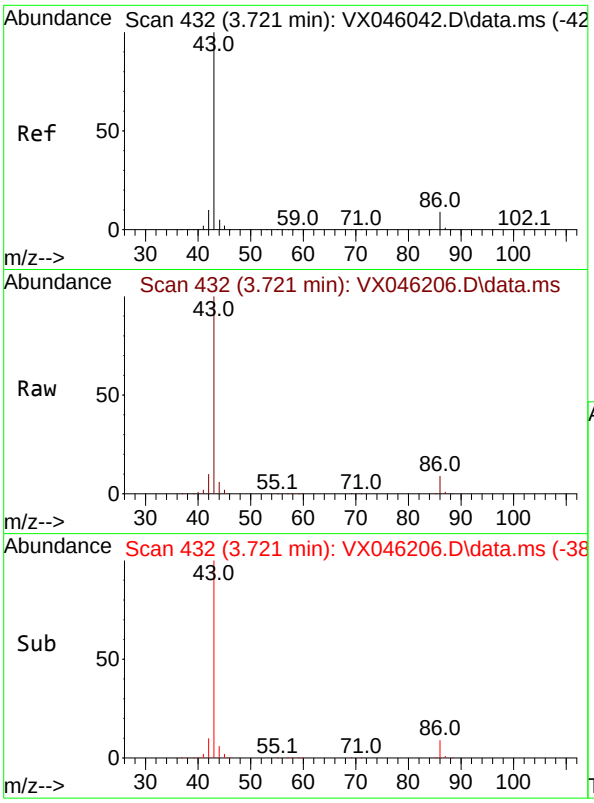


#22
Diisopropyl ether
Concen: 20.412 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 45 Resp: 79562

Ion	Ratio	Lower	Upper
45	100		
43	82.6	66.6	100.0
87	25.1	19.8	29.6
59	10.8	8.6	12.8



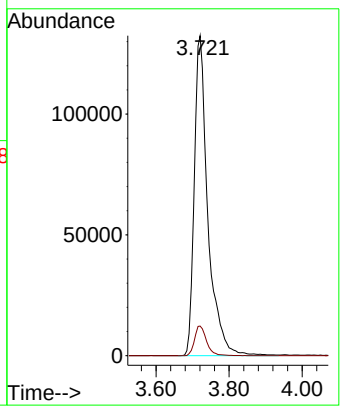


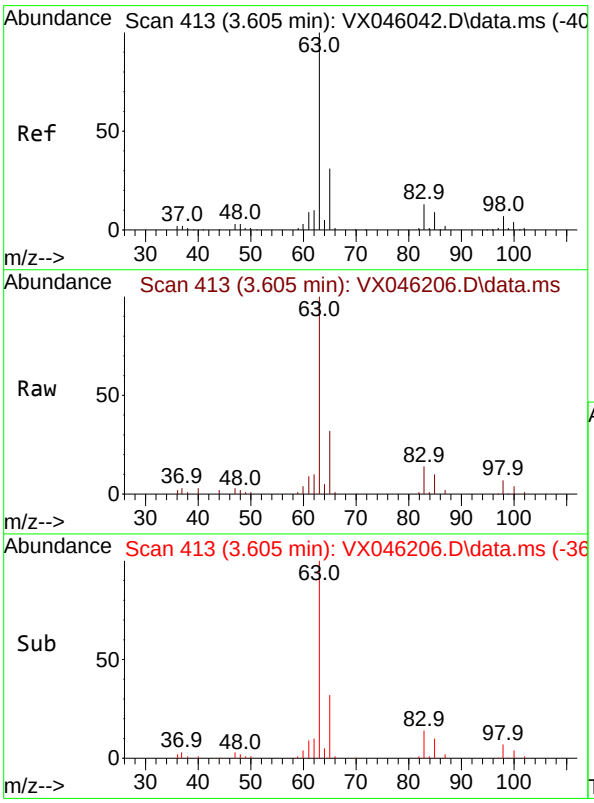
#23
Vinyl Acetate
Concen: 100.132 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 43 Resp: 343271

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

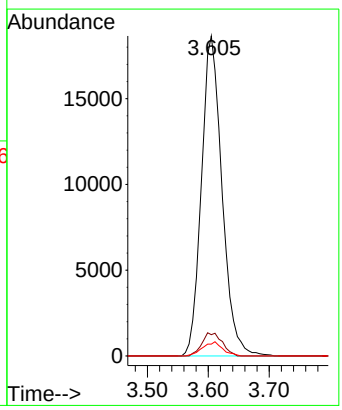


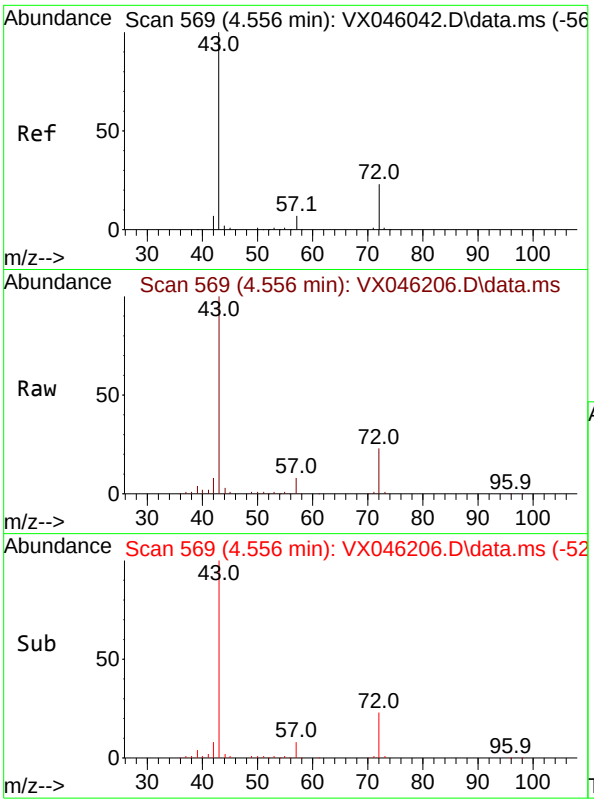


#24
1,1-Dichloroethane
Concen: 20.200 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 63 Resp: 43853

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.8
100	3.7	2.1	6.3



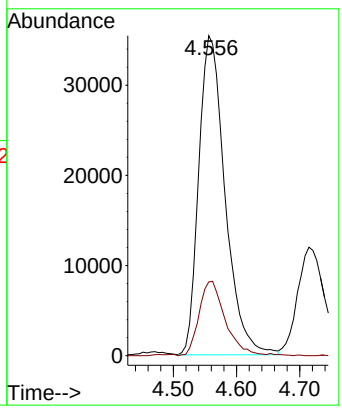


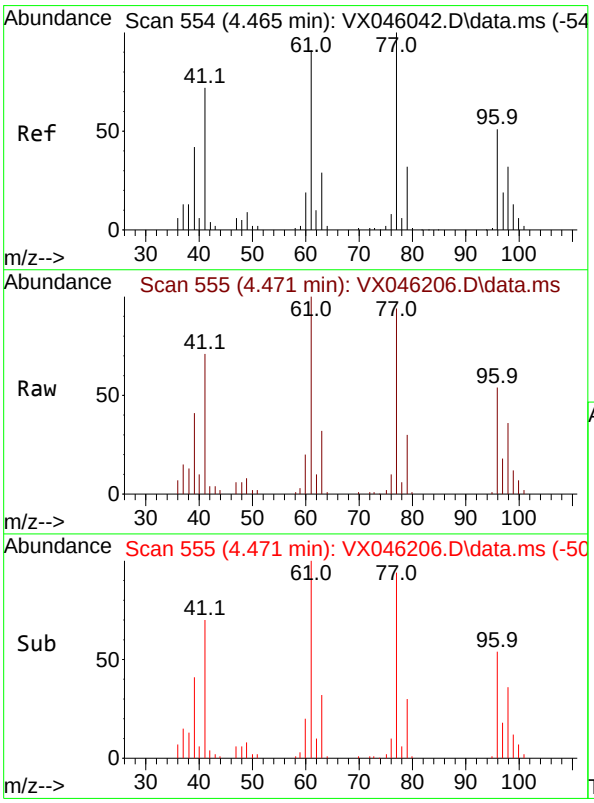
#25
2-Butanone
Concen: 106.141 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 43 Resp: 102563

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6

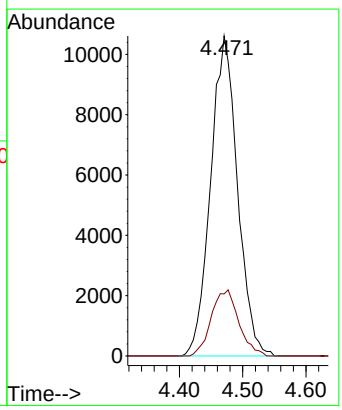


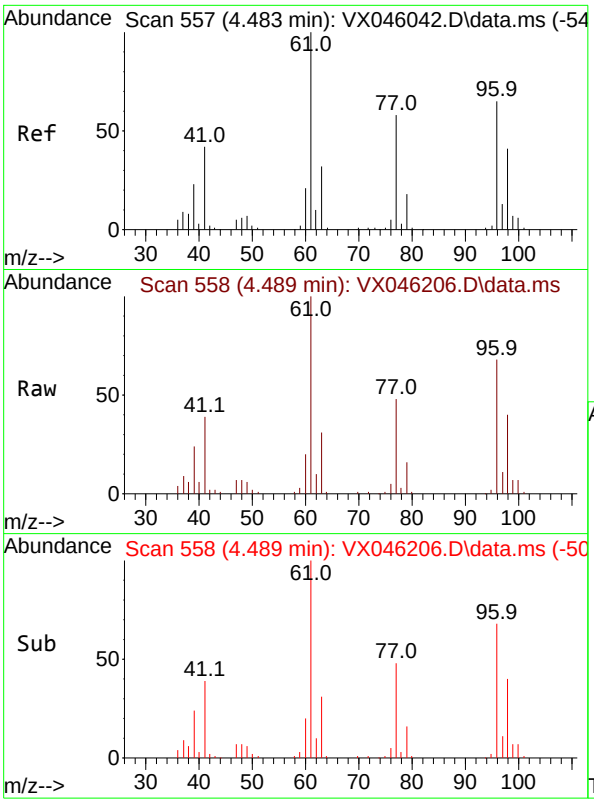


#26
2,2-Dichloropropane
Concen: 18.435 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 77 Resp: 31325

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5



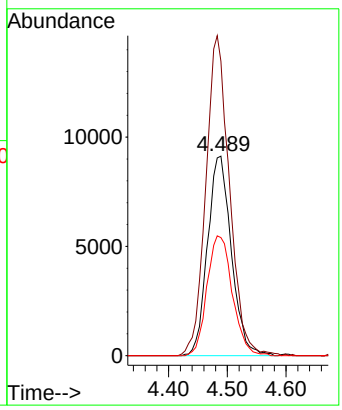


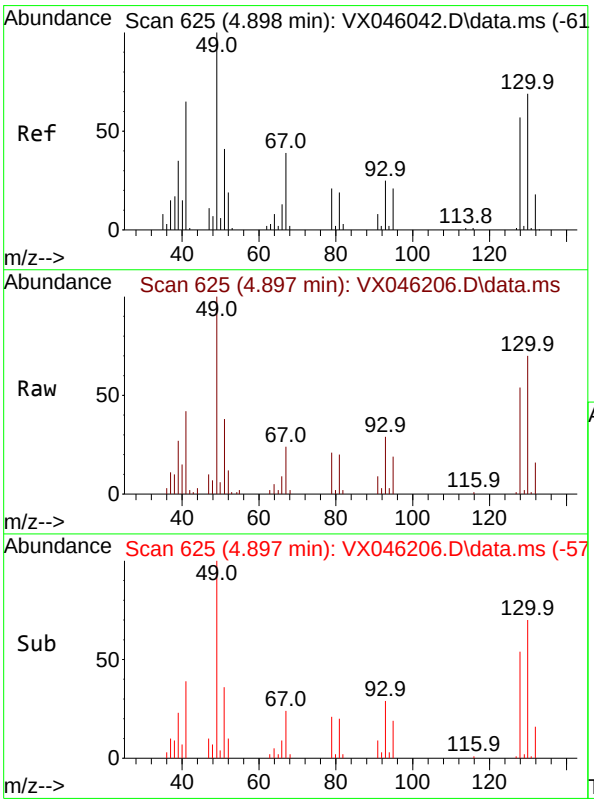
#27
cis-1,2-Dichloroethene
Concen: 20.161 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 96 Resp: 25770

Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	322.8
98	63.7	0.0	129.0

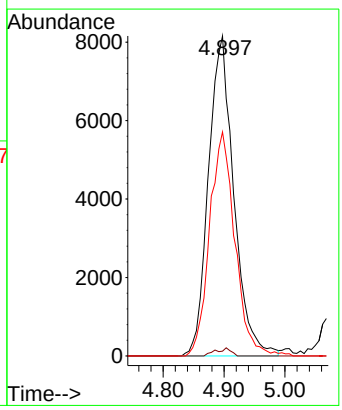


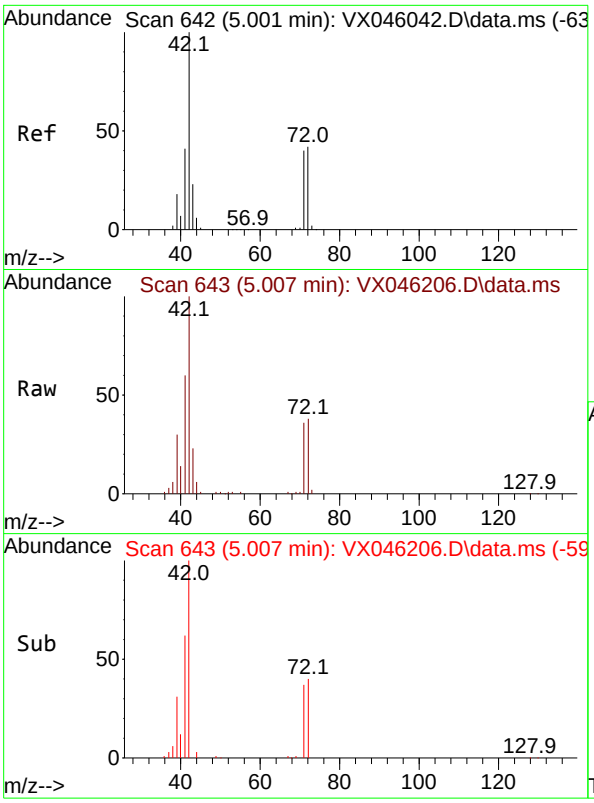


#28
Bromochloromethane
Concen: 22.571 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 49 Resp: 23586

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	70.1	56.2	84.2



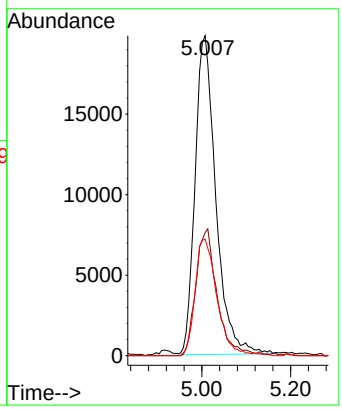


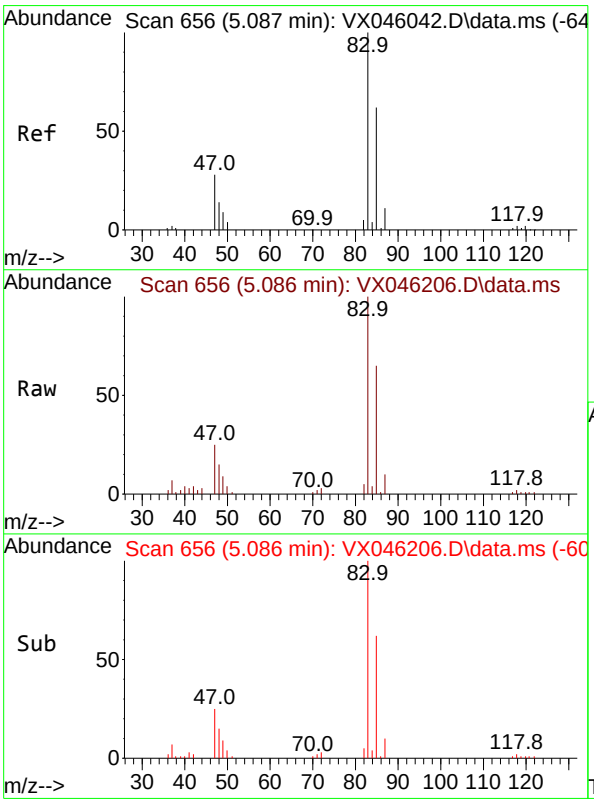
#29
Tetrahydrofuran
Concen: 106.388 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 42 Resp: 64418

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.7	50.5
71	38.4	31.4	47.2

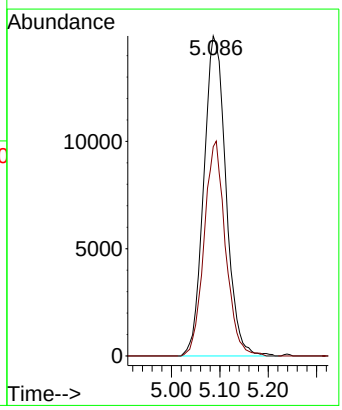


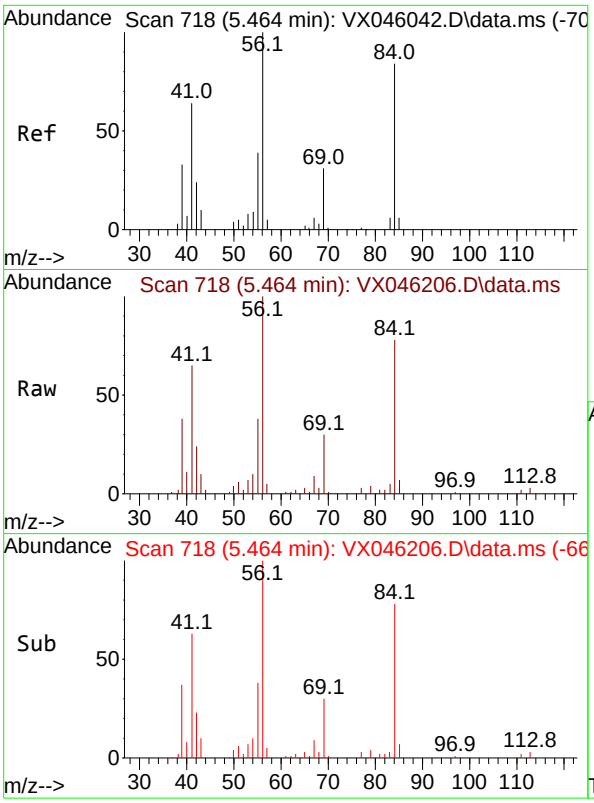


#30
Chloroform
Concen: 20.958 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 83 Resp: 47424

Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.3	73.9



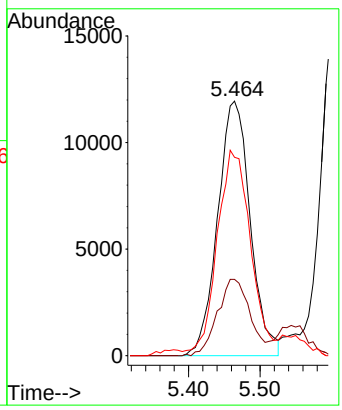


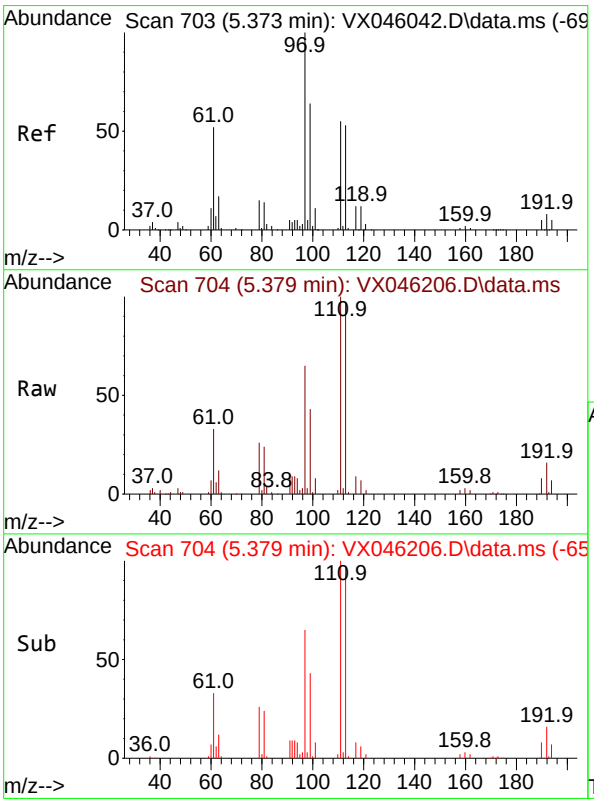
#31
Cyclohexane
Concen: 19.104 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 56 Resp: 37793

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	75.8	66.9	100.3

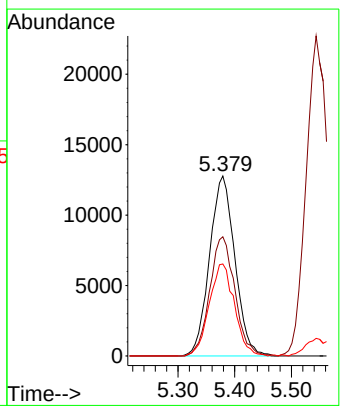


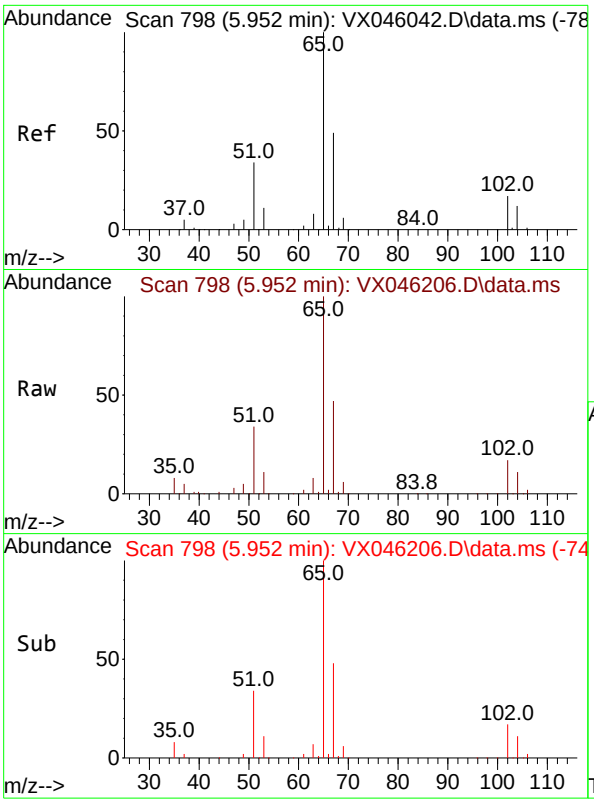


#32
1,1,1-Trichloroethane
Concen: 20.199 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 97 Resp: 39621

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	50.8	40.1	60.1



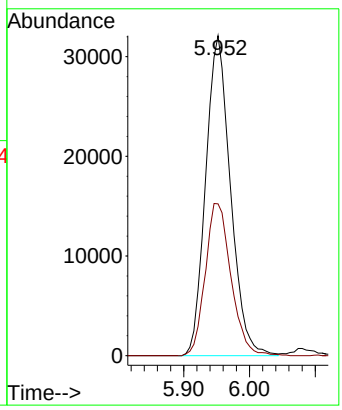


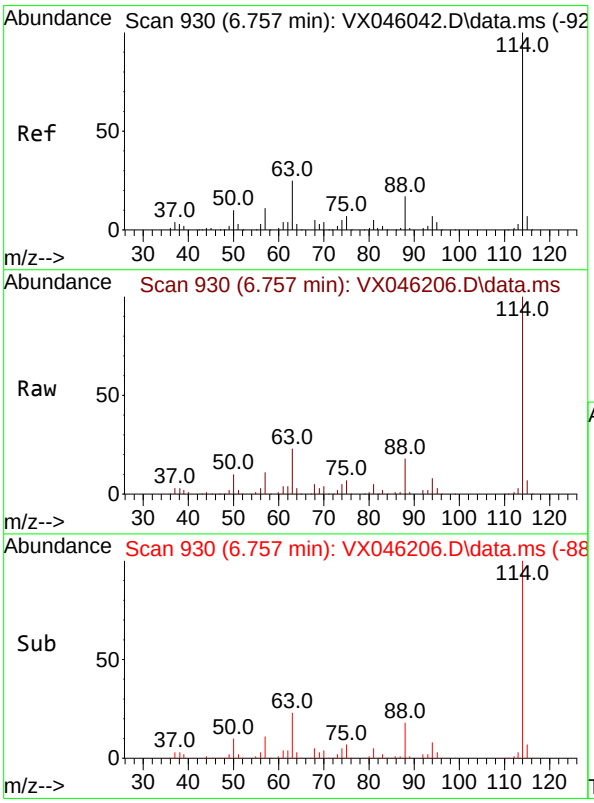
#33
1,2-Dichloroethane-d4
Concen: 50.668 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 65 Resp: 84109

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

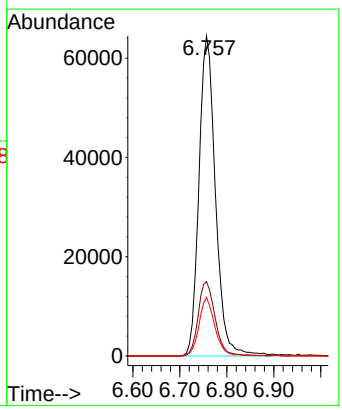


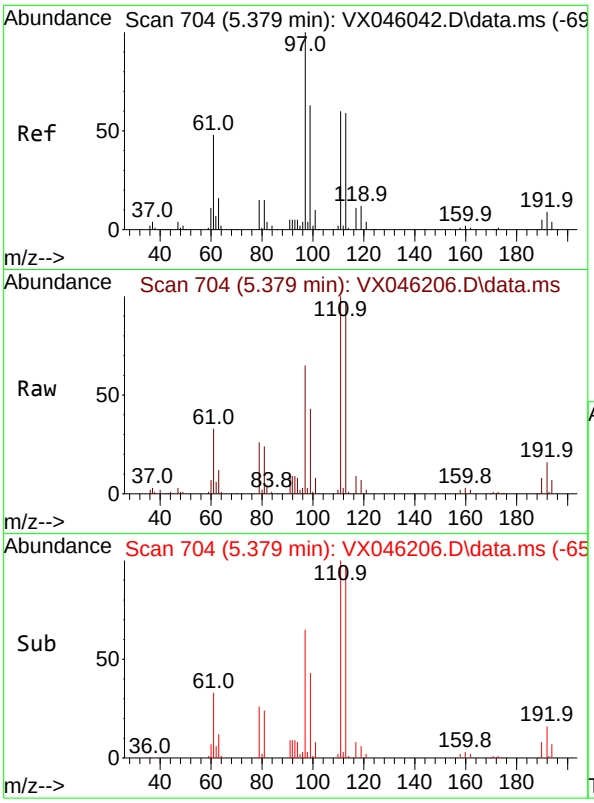


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:114 Resp: 157824

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	49.2
88	18.3	0.0	33.6



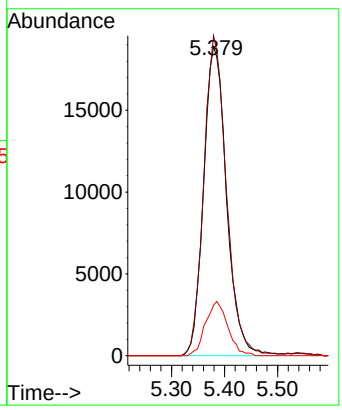


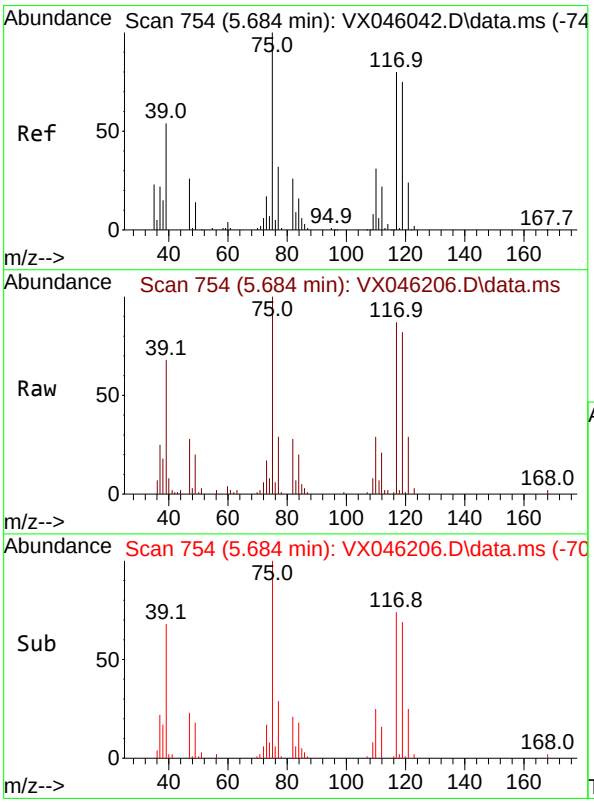
#35
Dibromofluoromethane
Concen: 50.032 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:113 Resp: 56861

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	17.1	13.3	19.9

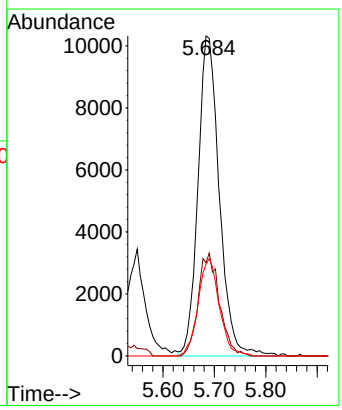


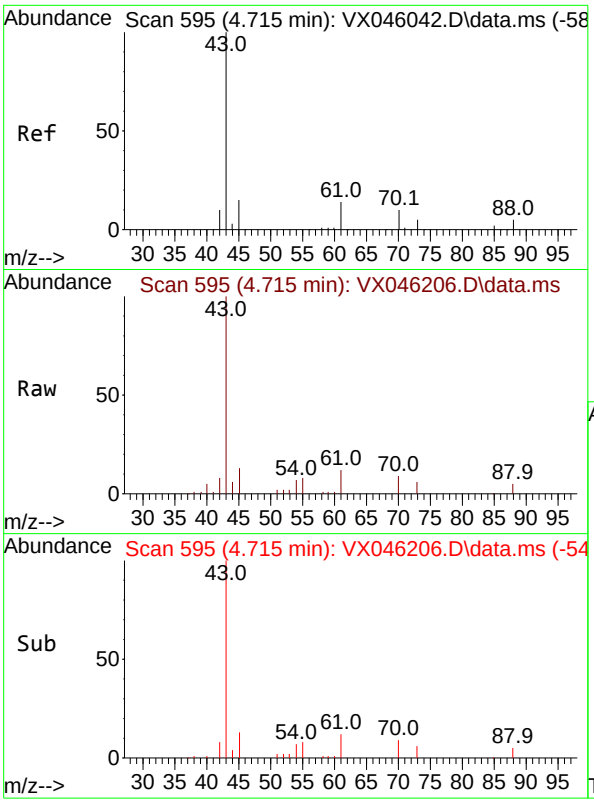


#36
1,1-Dichloropropene
Concen: 19.489 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 29760

Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.3	48.9
77	30.2	24.3	36.5



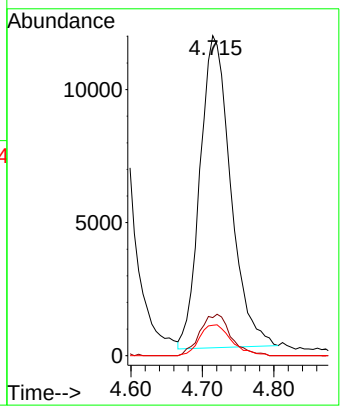


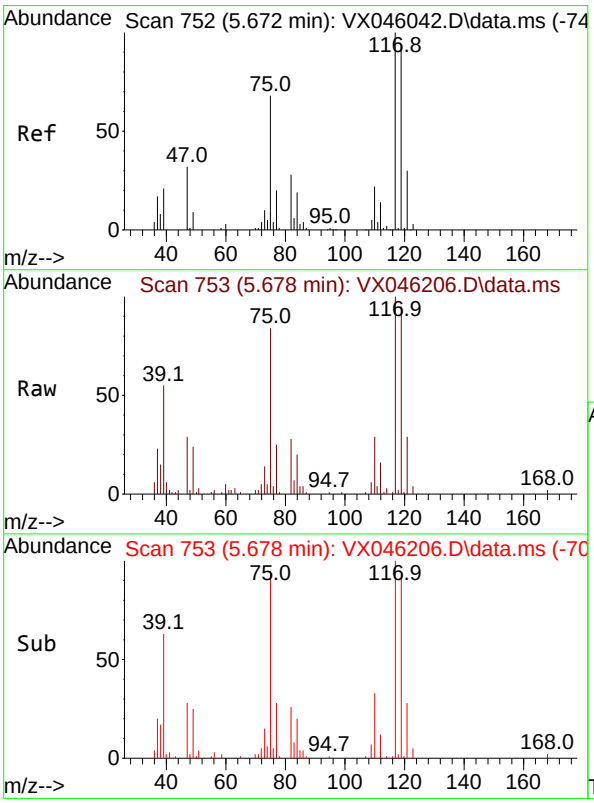
#37
Ethyl Acetate
Concen: 18.516 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 43 Resp: 34932

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	10.3	7.9	11.9

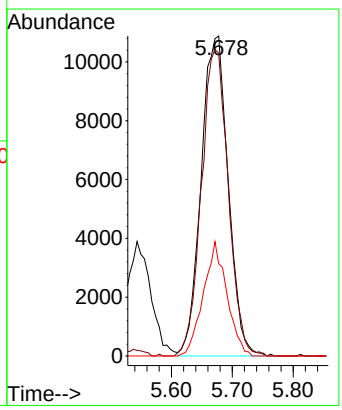


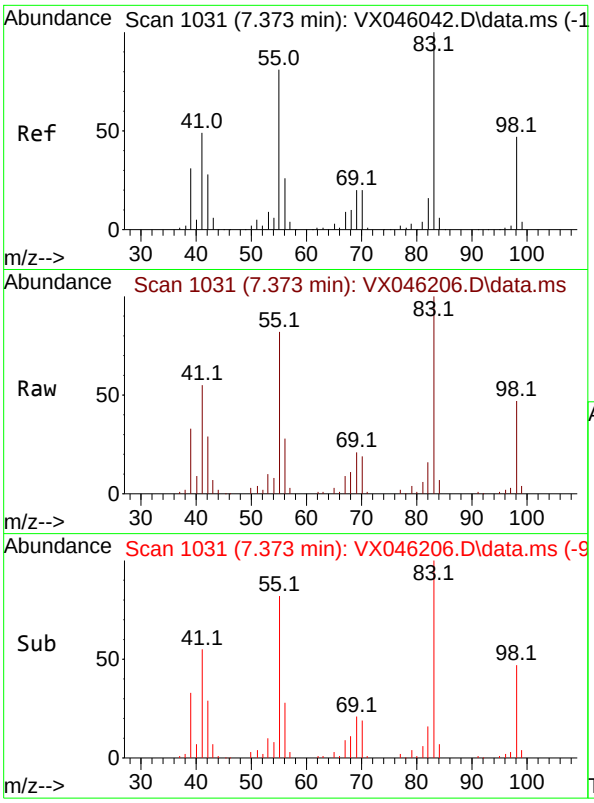


#38
Carbon Tetrachloride
Concen: 19.536 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:117 Resp: 33518

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.2	112.8
121	28.9	24.2	36.4



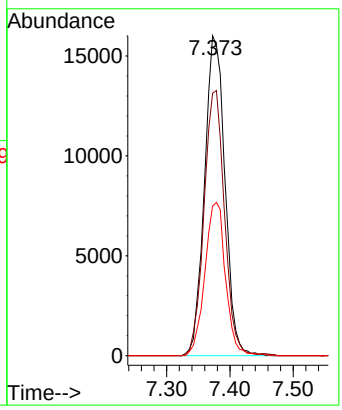


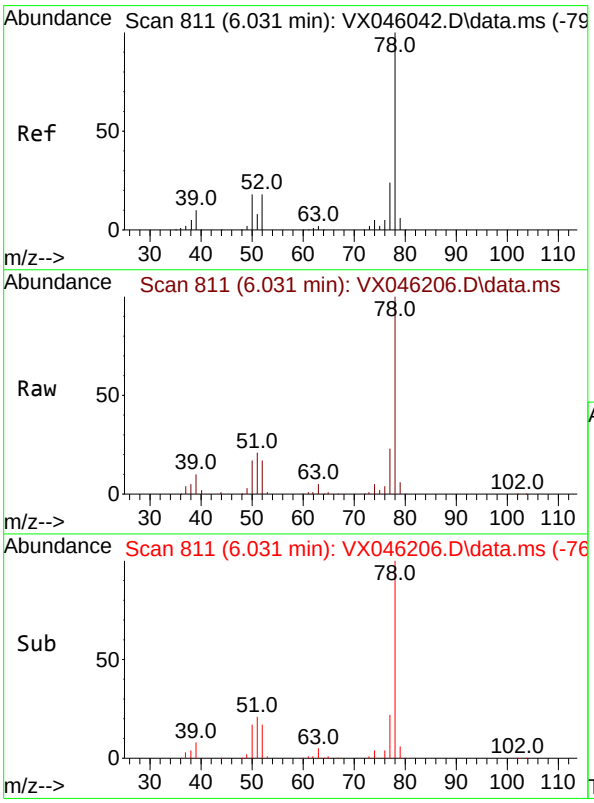
#39
Methylcyclohexane
Concen: 18.348 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 83 Resp: 36070

Ion	Ratio	Lower	Upper
83	100		
55	82.0	64.7	97.1
98	46.7	37.4	56.2

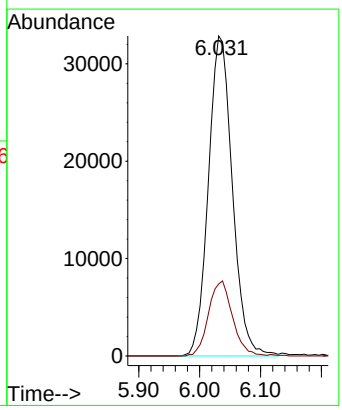


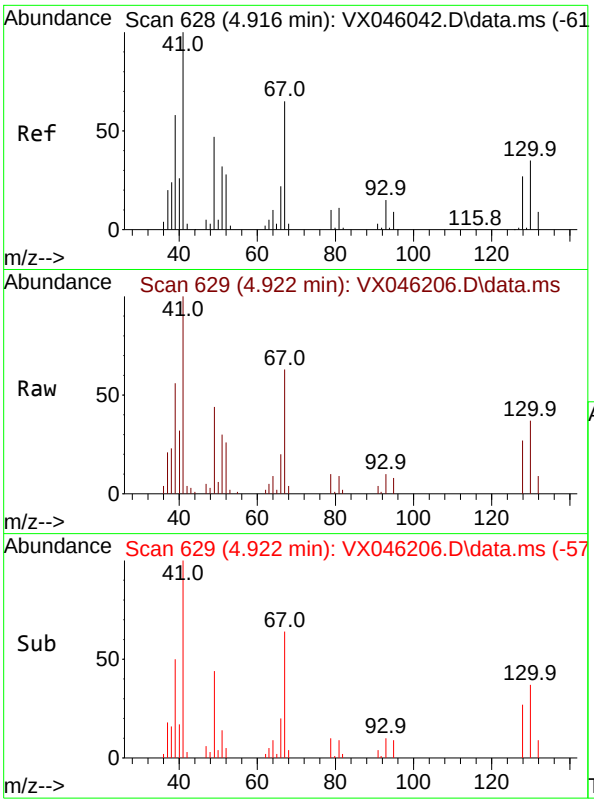


#40
Benzene
Concen: 20.078 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 78 Resp: 89803

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.4



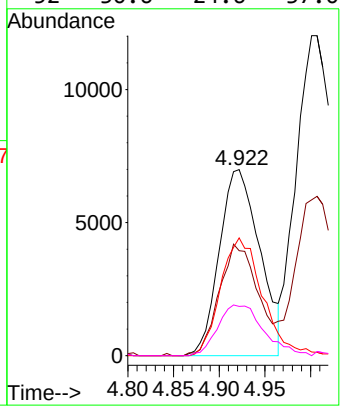


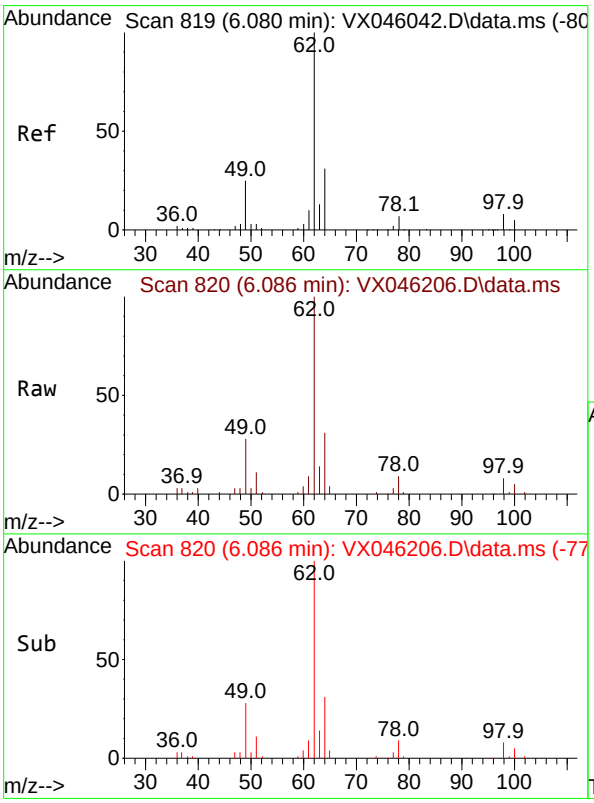
#41
Methacrylonitrile
Concen: 21.872 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 41 Resp: 21586

Ion	Ratio	Lower	Upper
41	100		
39	56.6	47.2	70.8
67	65.6	50.7	76.1
52	30.6	24.6	37.0

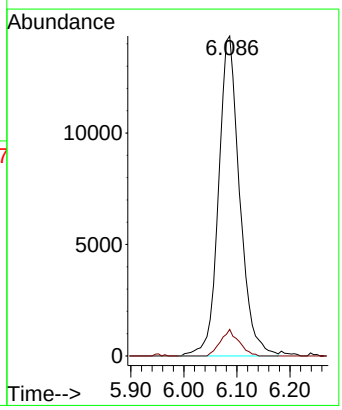


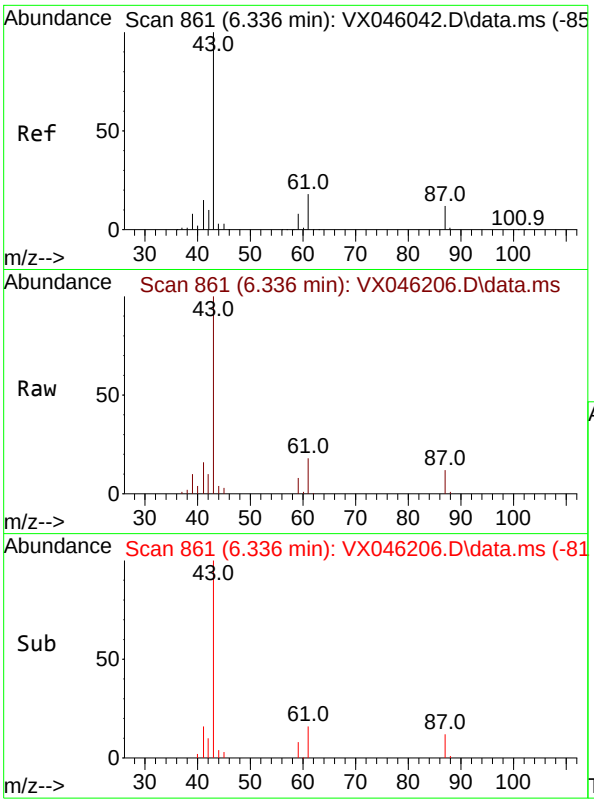


#42
1,2-Dichloroethane
Concen: 20.573 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 62 Resp: 39713

Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.2



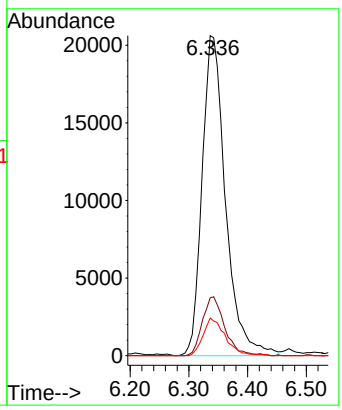


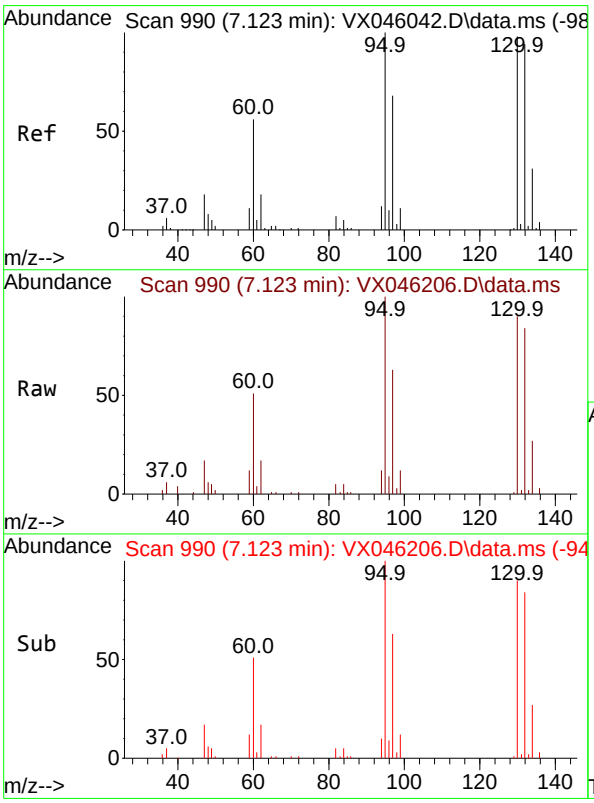
#43
Isopropyl Acetate
Concen: 19.876 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 43 Resp: 57206

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.3	21.5
87	11.1	9.5	14.3

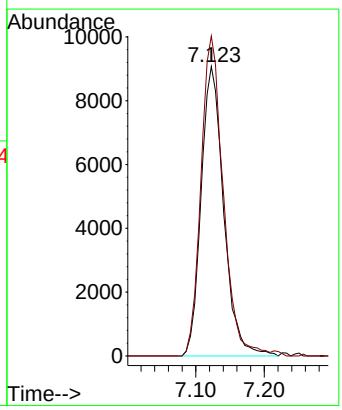


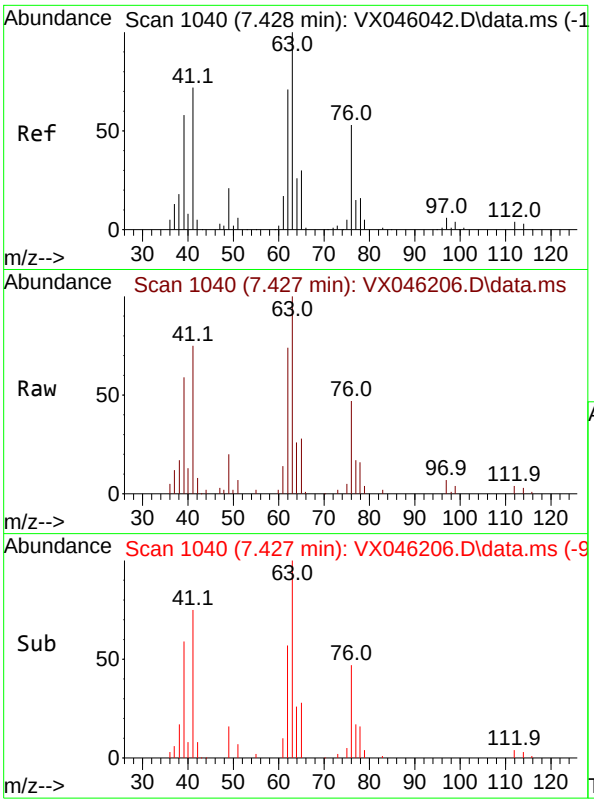


#44
Trichloroethene
Concen: 19.262 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:130 Resp: 20736

Ion	Ratio	Lower	Upper
130	100		
95	110.5	0.0	204.2



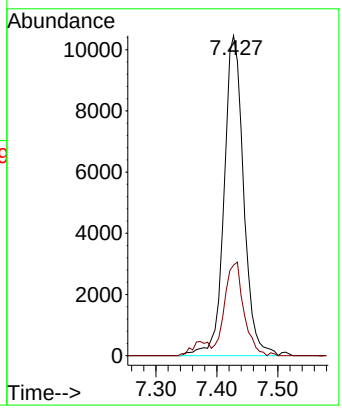


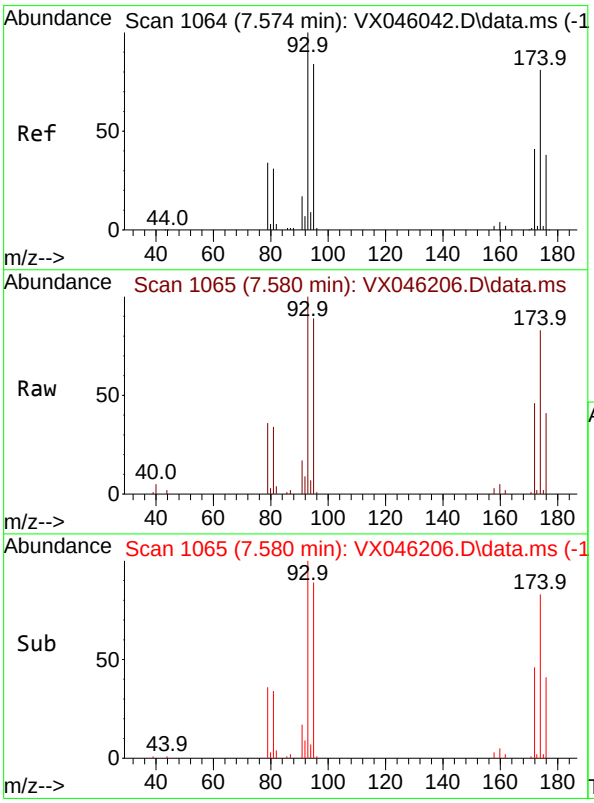
#45
1,2-Dichloropropane
Concen: 20.899 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 63 Resp: 23243

Ion	Ratio	Lower	Upper
63	100		
65	28.3	24.1	36.1

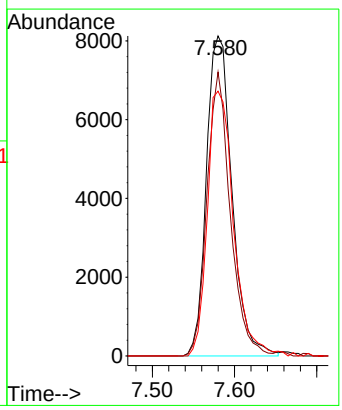


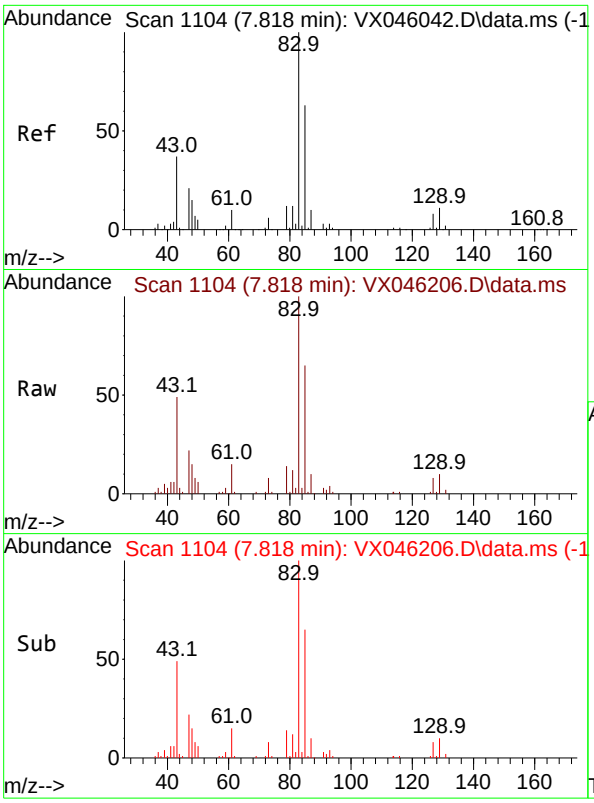


#46
Dibromomethane
Concen: 20.003 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 93 Resp: 17546

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.6	98.4
174	85.0	68.2	102.2



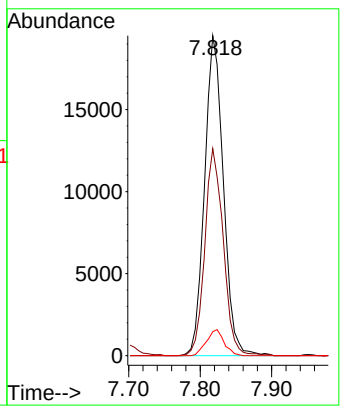


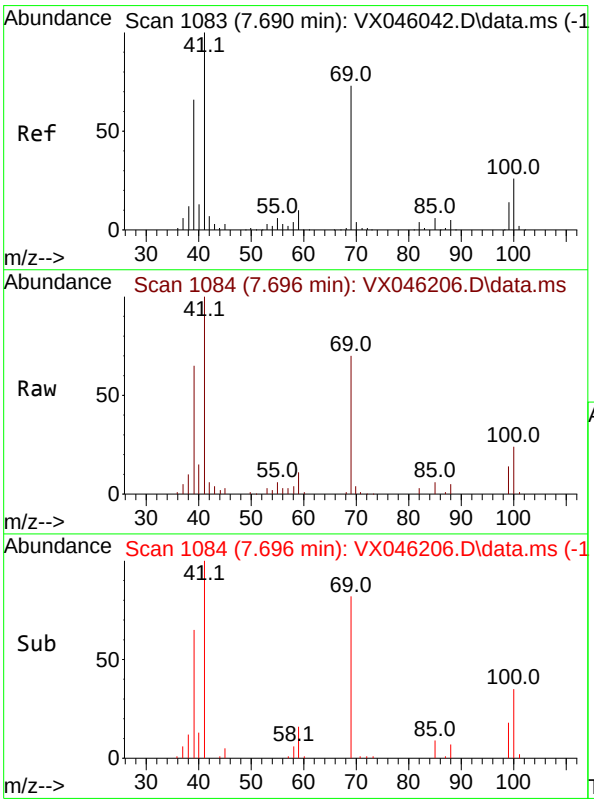
#47
Bromodichloromethane
Concen: 20.608 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 83 Resp: 35604

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.5	75.7
127	7.5	6.5	9.7

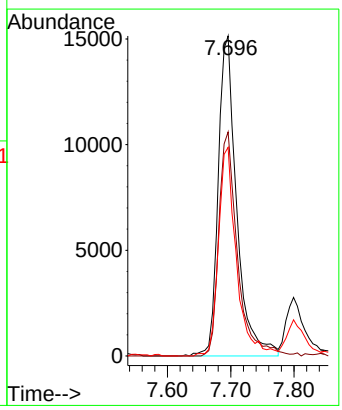


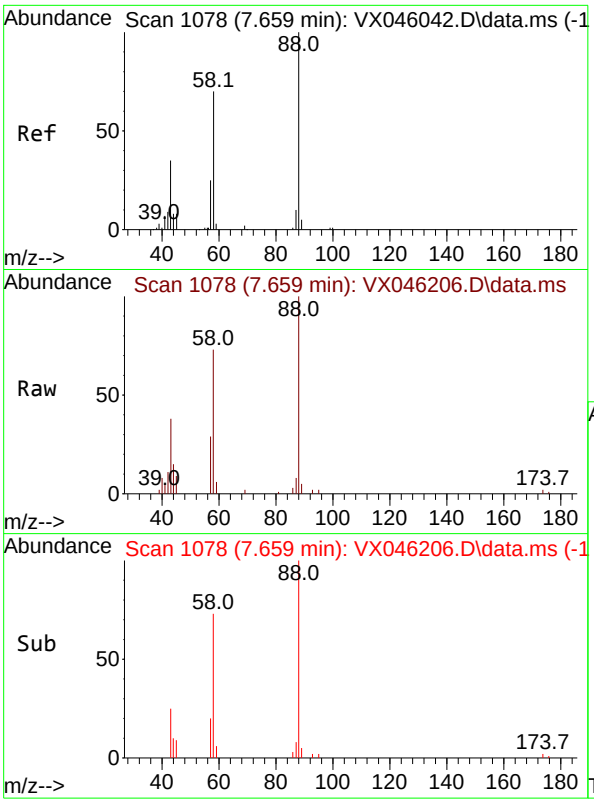


#48
Methyl methacrylate
Concen: 20.826 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 41 Resp: 30612

Ion	Ratio	Lower	Upper
41	100		
69	70.7	58.5	87.7
39	63.5	51.7	77.5



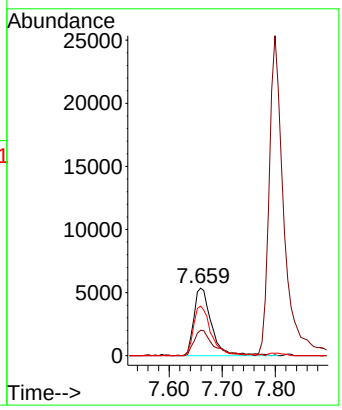


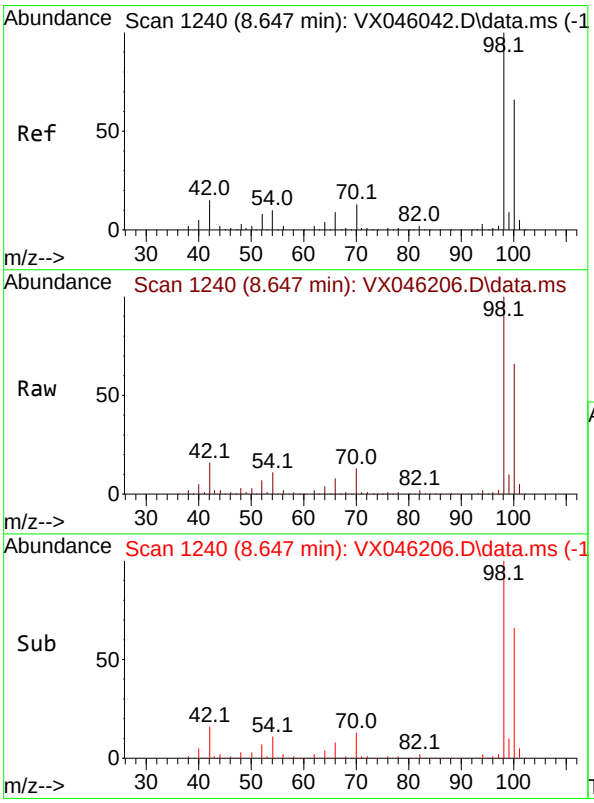
#49
1,4-Dioxane
Concen: 441.933 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 88 Resp: 12334

Ion	Ratio	Lower	Upper
88	100		
43	41.6	33.4	50.2
58	74.1	58.6	88.0

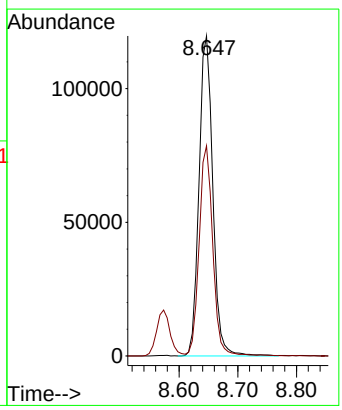


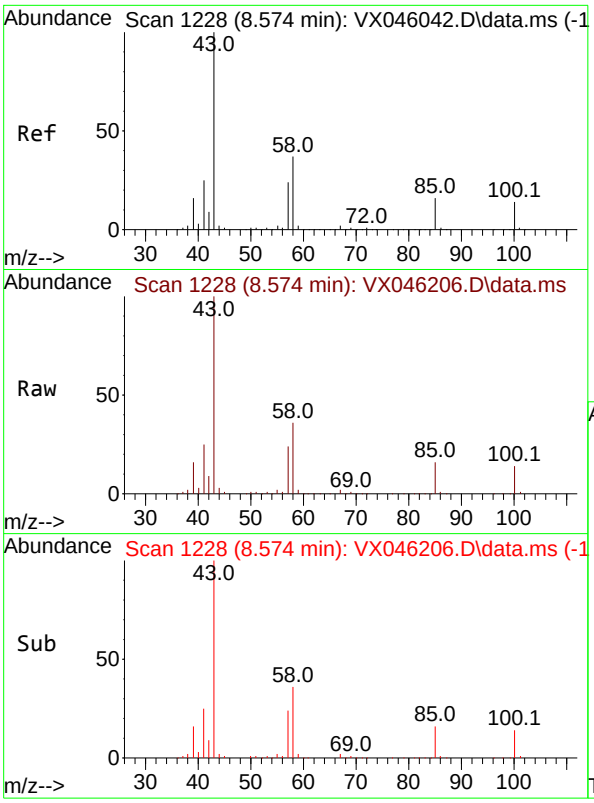


#50
Toluene-d8
Concen: 49.675 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 98 Resp: 195401

Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.5	80.3



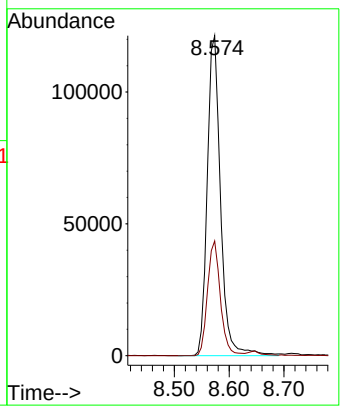


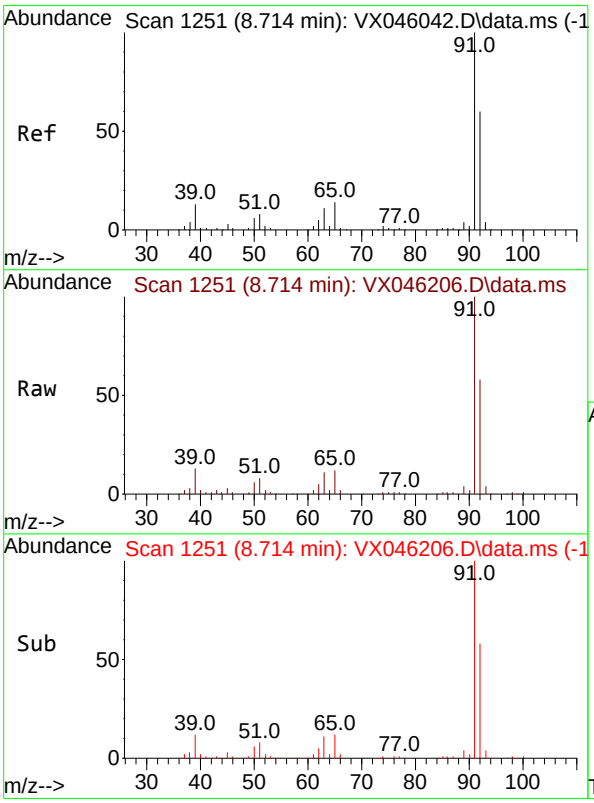
#51
4-Methyl-2-Pentanone
Concen: 106.590 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 43 Resp: 203636

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.9	43.3

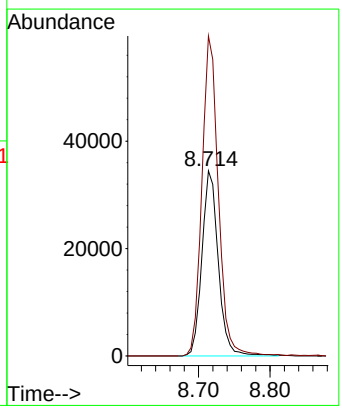


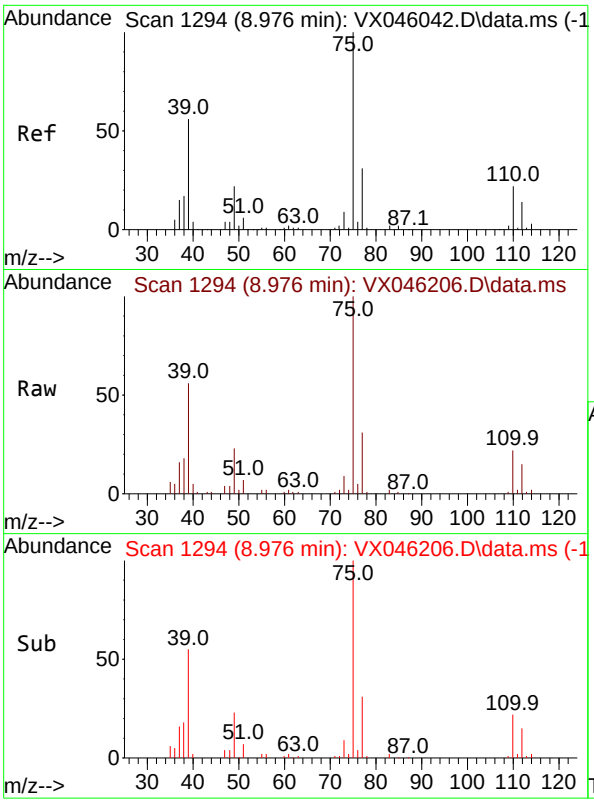


#52
Toluene
Concen: 19.993 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 92 Resp: 54833

Ion	Ratio	Lower	Upper
92	100		
91	173.3	136.6	205.0



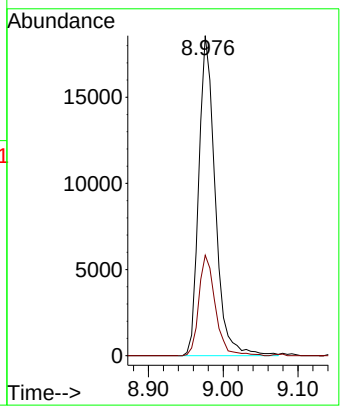


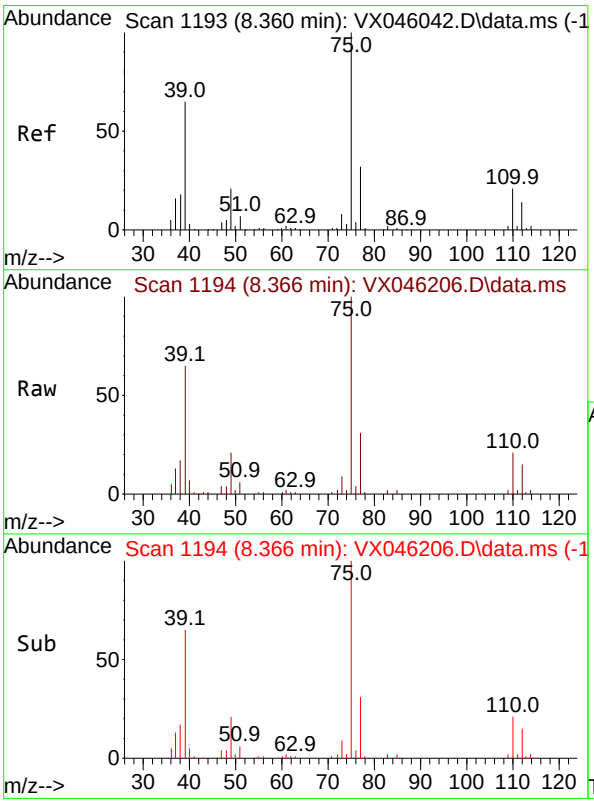
#53
t-1,3-Dichloropropene
Concen: 18.474 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 75 Resp: 28369

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

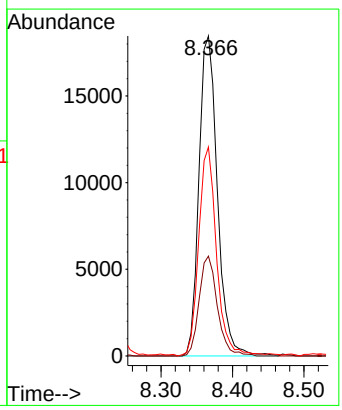


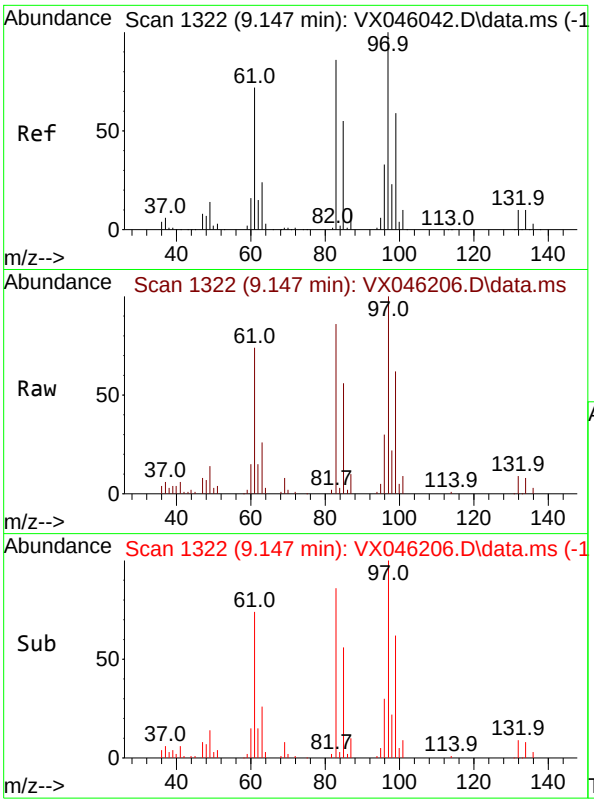


#54
cis-1,3-Dichloropropene
Concen: 19.473 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 33050

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	65.3	52.2	78.4



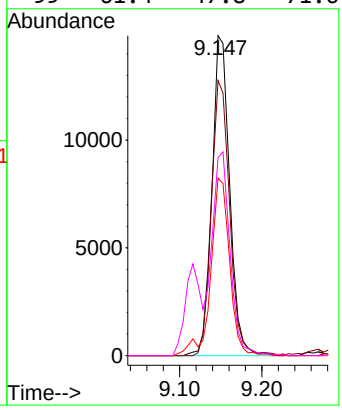


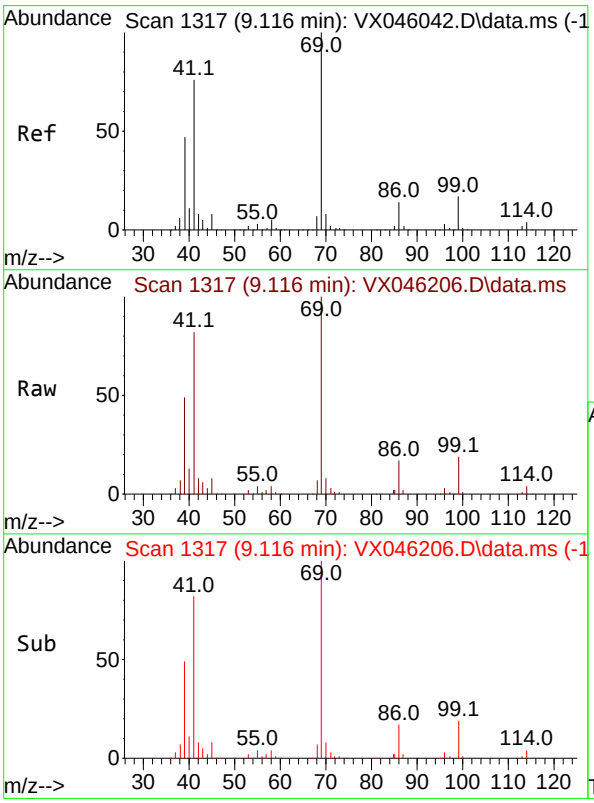
#55
1,1,2-Trichloroethane
Concen: 20.680 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 97 Resp: 22364

Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.0	103.6
85	55.5	44.3	66.5
99	61.4	47.8	71.6

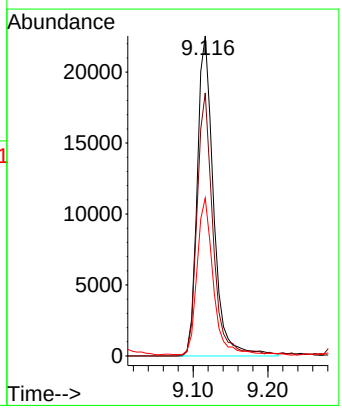


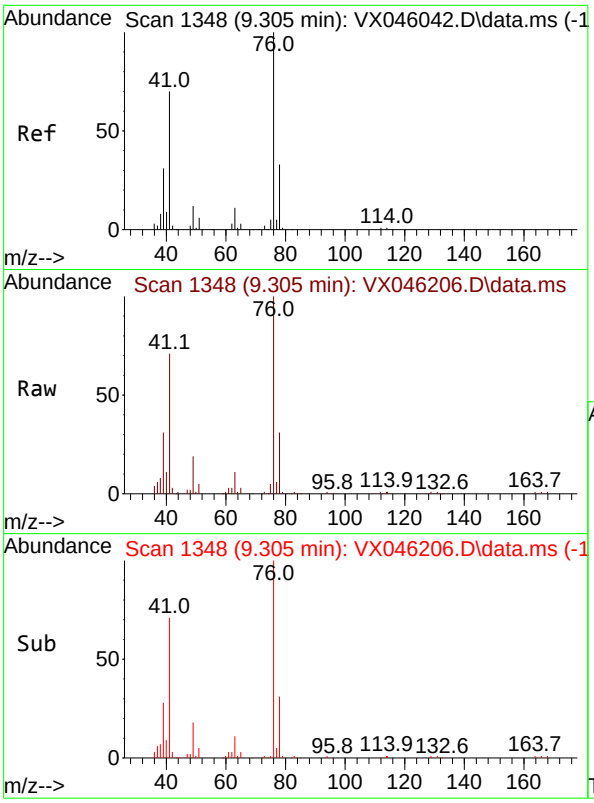


#56
Ethyl methacrylate
Concen: 19.841 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 69 Resp: 34197

Ion	Ratio	Lower	Upper
69	100		
41	80.8	60.8	91.2
39	49.6	39.0	58.6



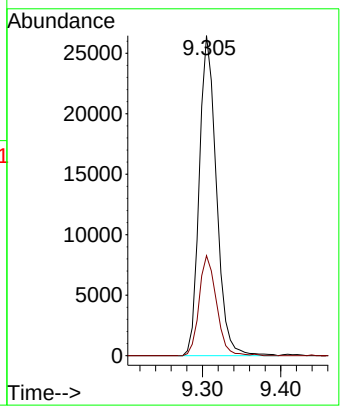


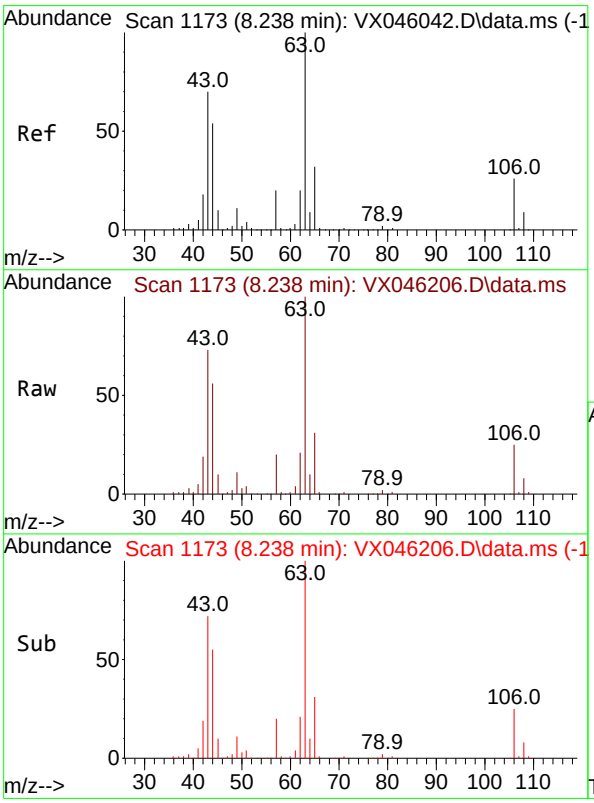
#57
1,3-Dichloropropane
Concen: 20.692 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 76 Resp: 40187

Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.3	39.5

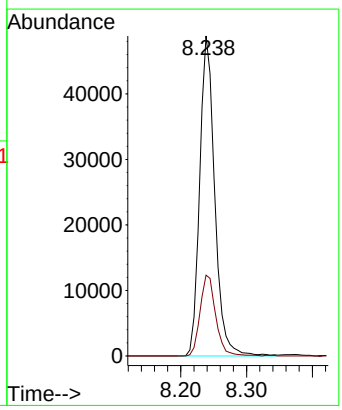


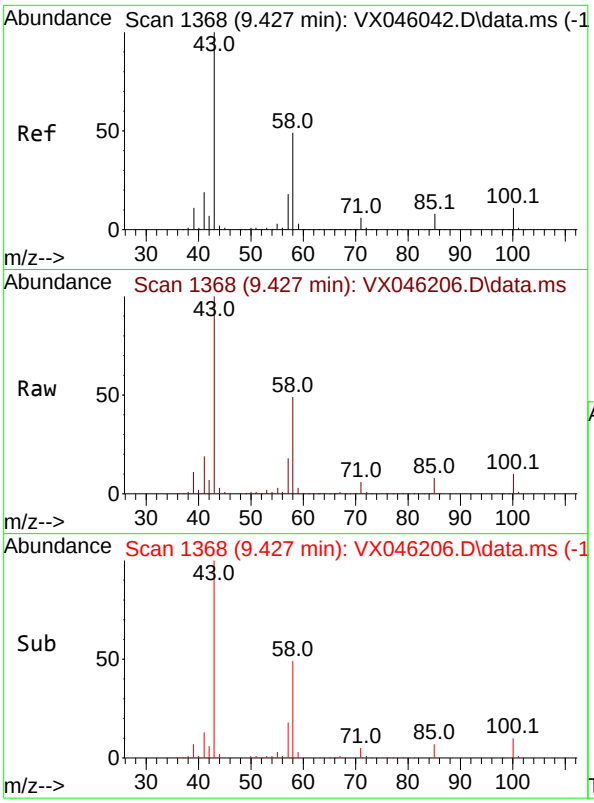


#58
2-Chloroethyl Vinyl ether
Concen: 88.326 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 63 Resp: 77611

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



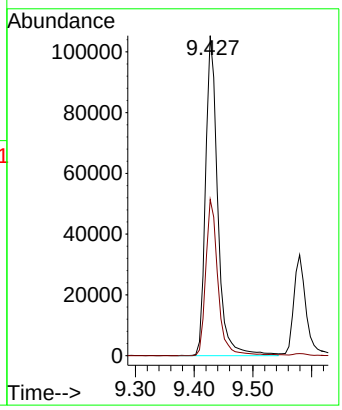


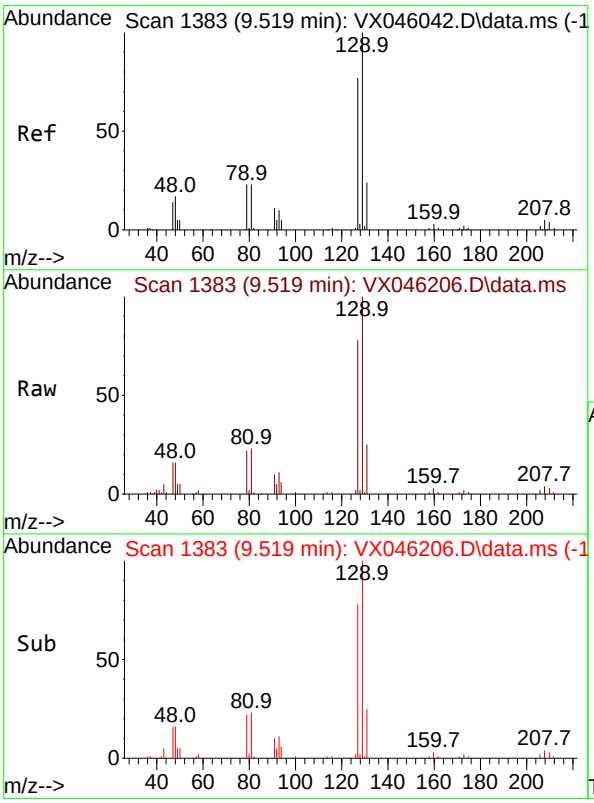
#59
2-Hexanone
Concen: 107.694 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 43 Resp: 152217

Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6

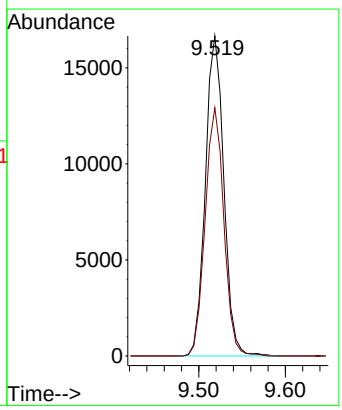


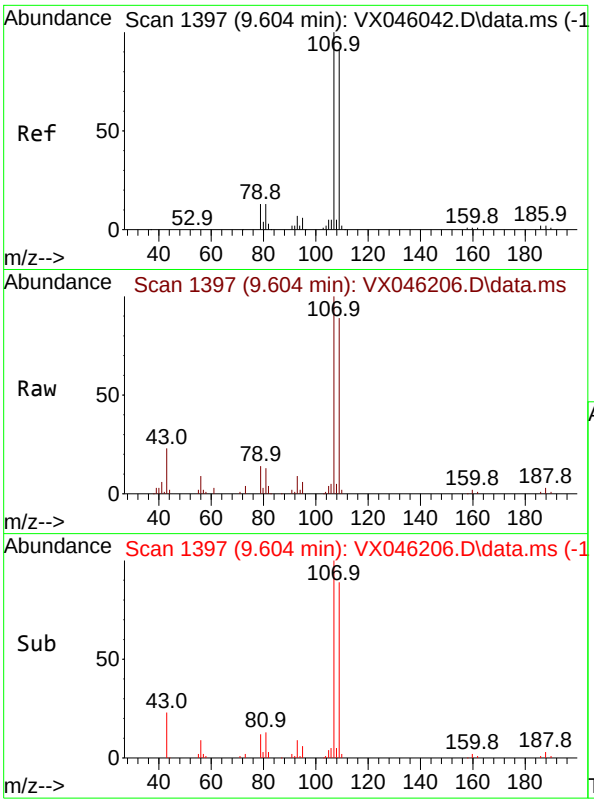


#60
Dibromochloromethane
Concen: 20.728 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:129 Resp: 24617

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8



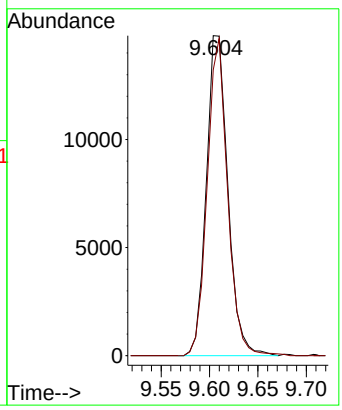


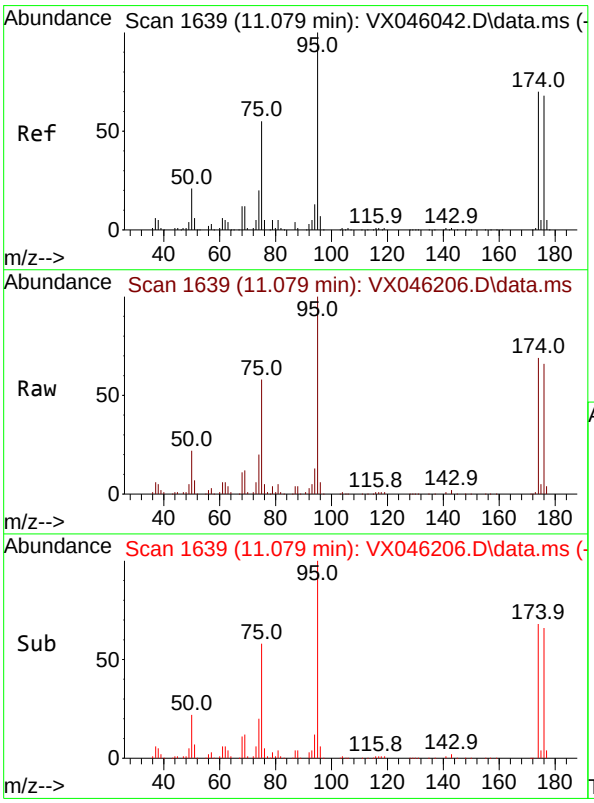
#61
1,2-Dibromoethane
Concen: 20.447 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:107 Resp: 22982

Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.3	109.9

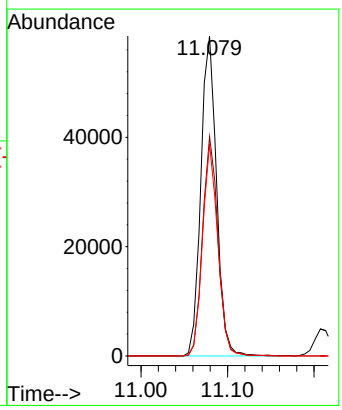


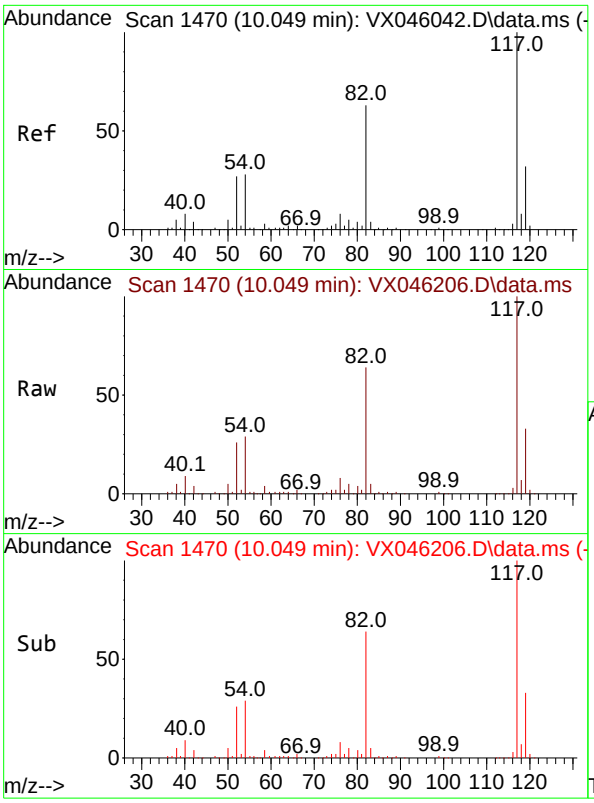


#62
4-Bromofluorobenzene
Concen: 48.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 95 Resp: 73760

Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	135.8
176	64.7	0.0	131.4



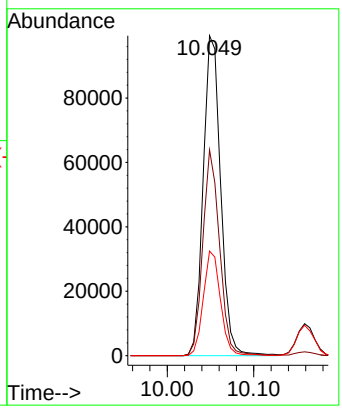


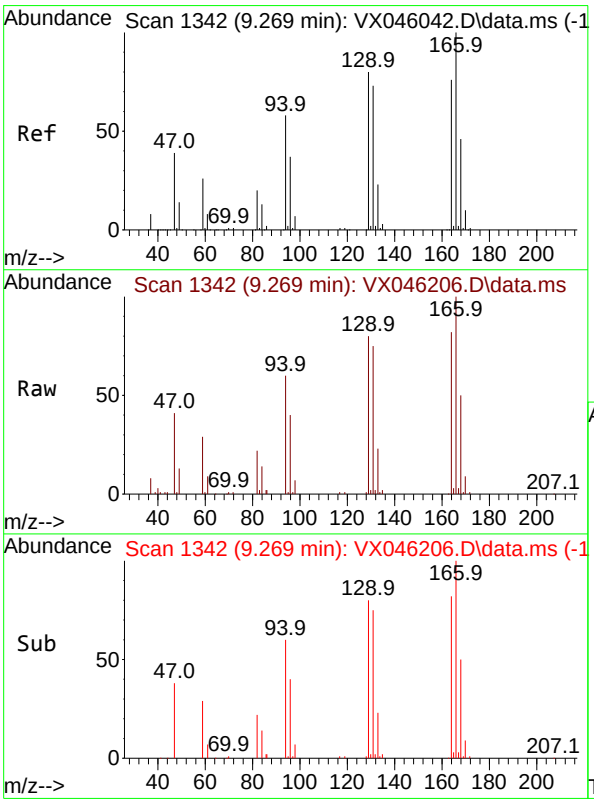
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:117 Resp: 139362

Ion	Ratio	Lower	Upper
117	100		
82	64.3	50.6	76.0
119	32.7	25.8	38.6

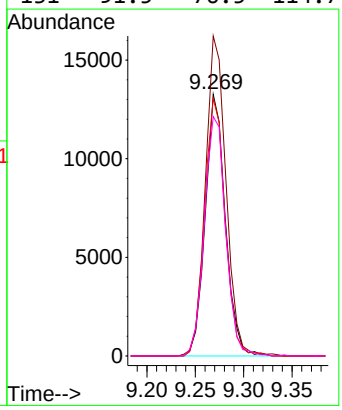


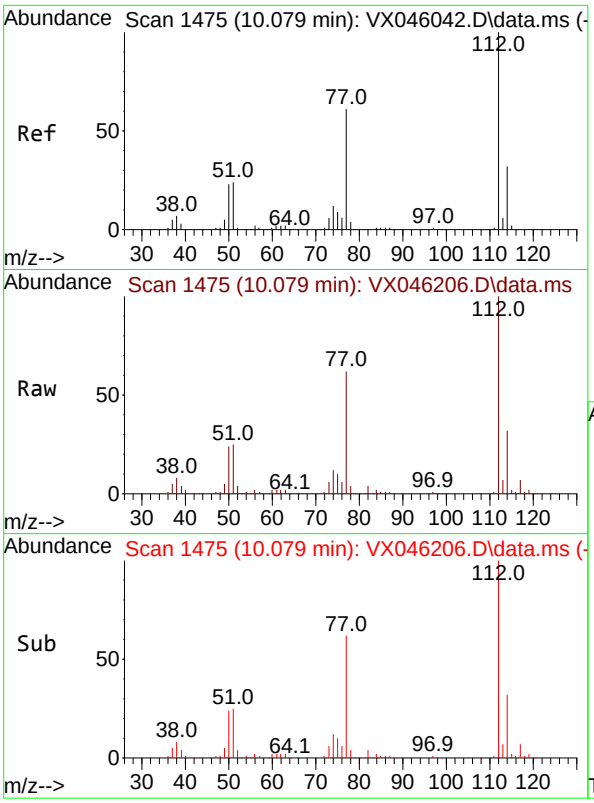


#64
Tetrachloroethene
Concen: 19.467 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:164 Resp: 19195

Ion	Ratio	Lower	Upper
164	100		
166	122.3	105.0	157.6
129	98.3	83.5	125.3
131	91.5	76.5	114.7



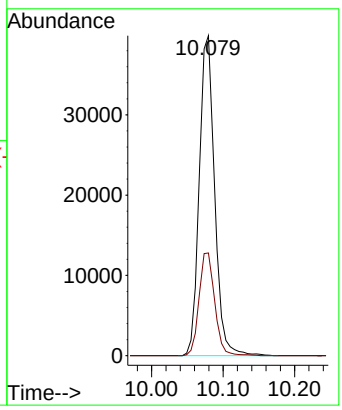


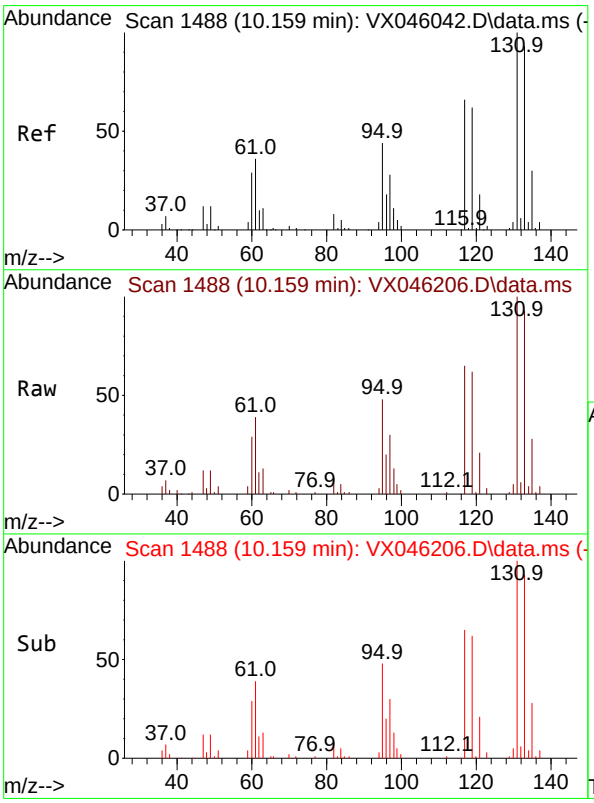
#65
Chlorobenzene
Concen: 19.520 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:112 Resp: 59541

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

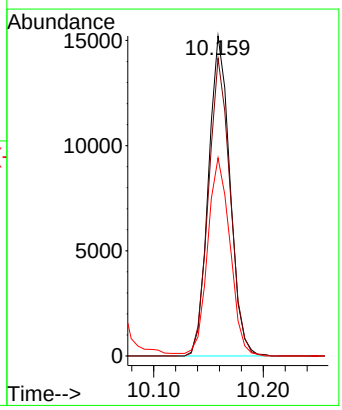


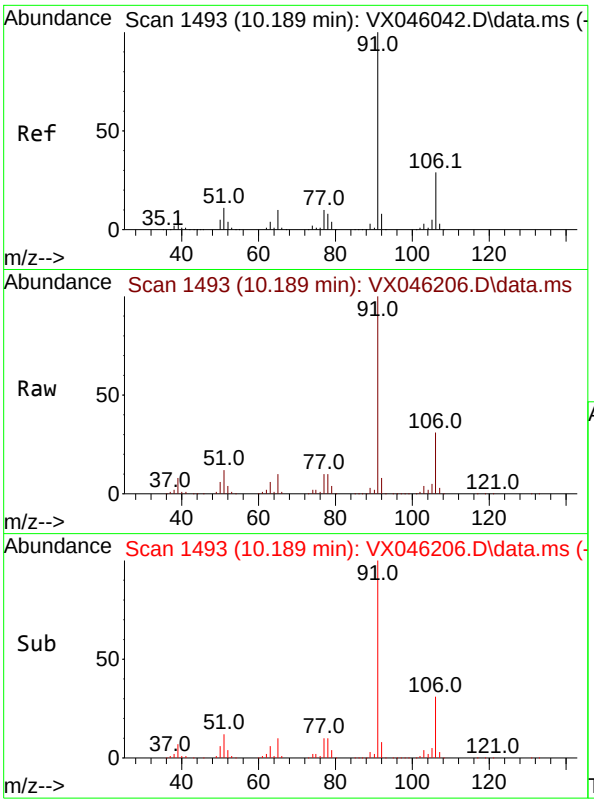


#66
1,1,1,2-Tetrachloroethane
Concen: 19.834 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:131 Resp: 20659

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.9
119	64.8	31.6	95.0



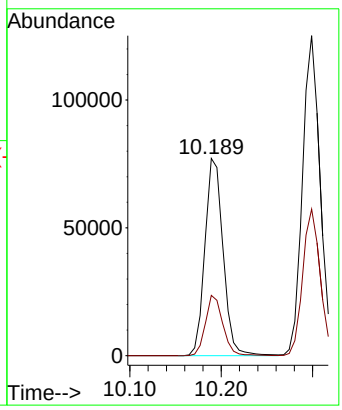


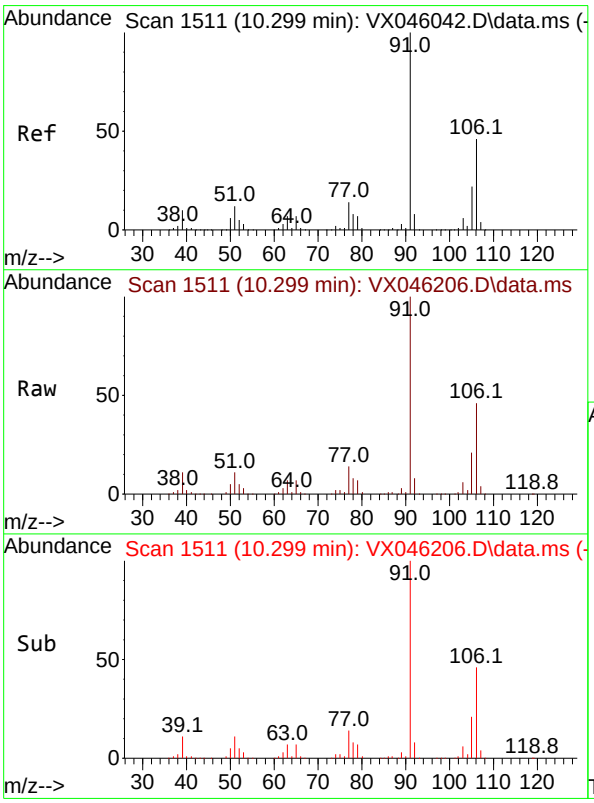
#67
Ethyl Benzene
Concen: 19.824 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 91 Resp: 106589

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.4	35.2

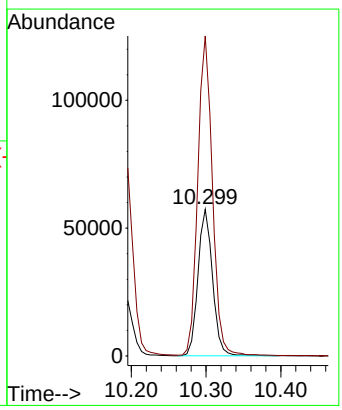


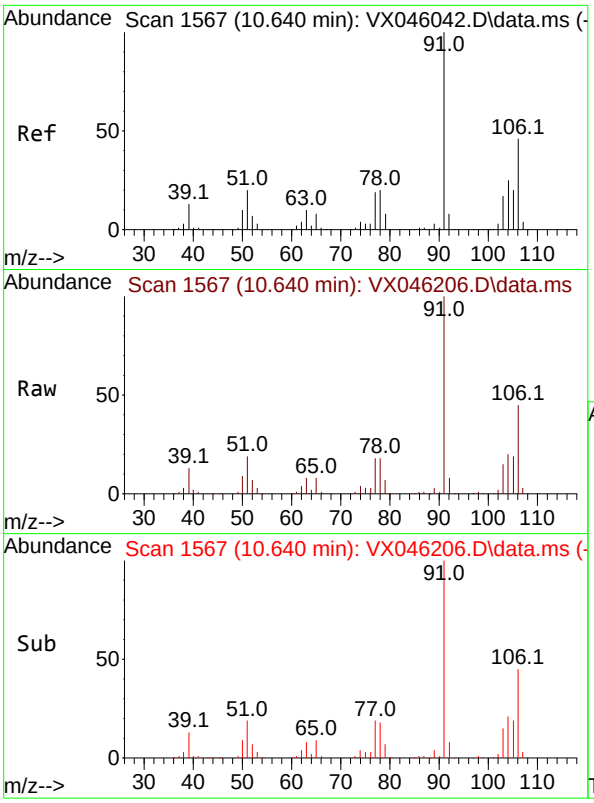


#68
m/p-Xylenes
Concen: 39.431 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:106 Resp: 77543

Ion	Ratio	Lower	Upper
106	100		
91	220.1	171.2	256.8



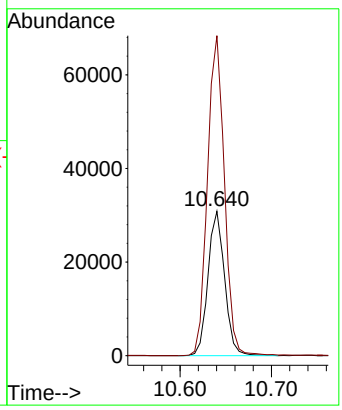


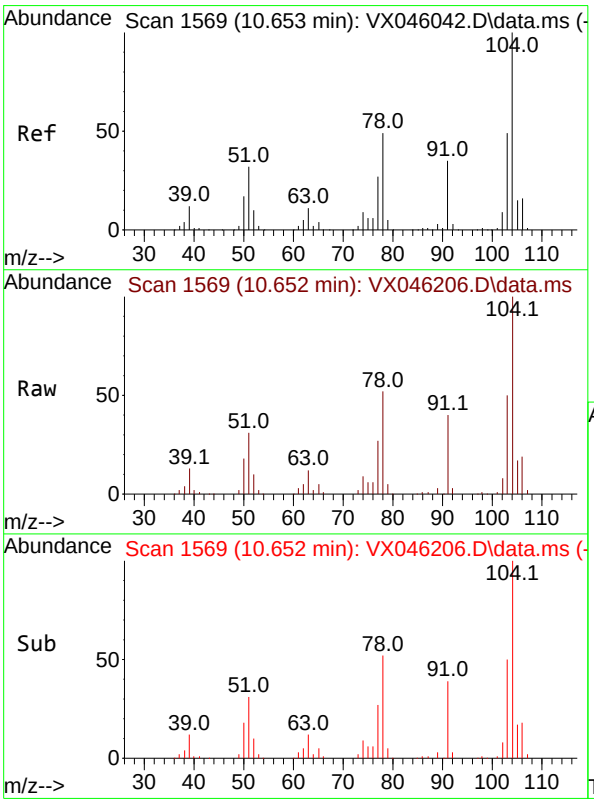
#69
o-Xylene
Concen: 20.288 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:106 Resp: 38896

Ion	Ratio	Lower	Upper
106	100		
91	226.4	112.7	338.1

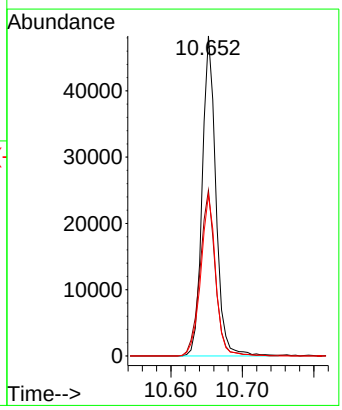


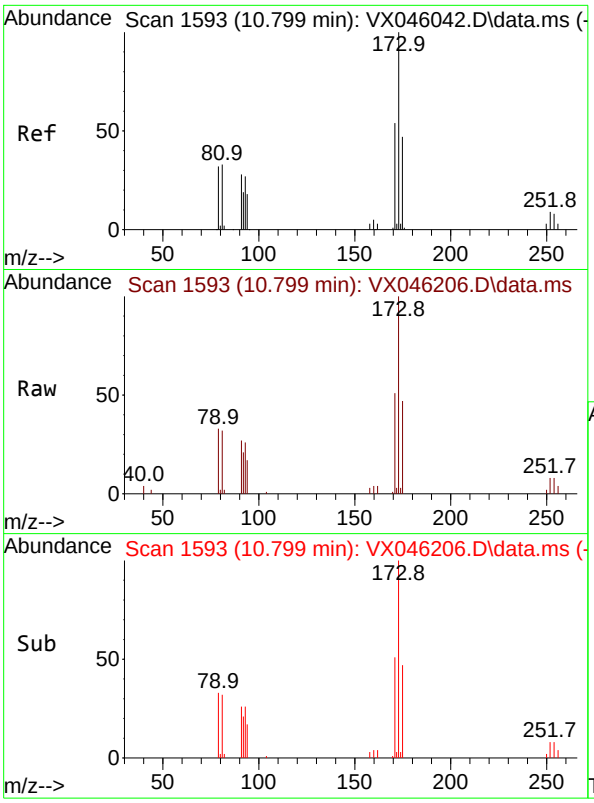


#70
Styrene
Concen: 20.510 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:104 Resp: 64413

Ion	Ratio	Lower	Upper
104	100		
78	57.8	45.7	68.5
103	54.7	43.7	65.5



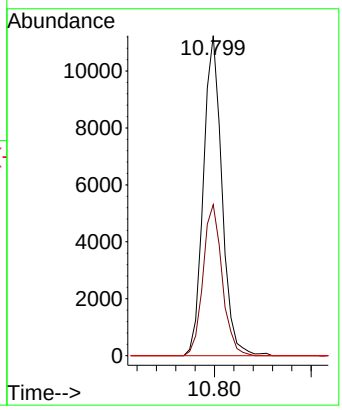


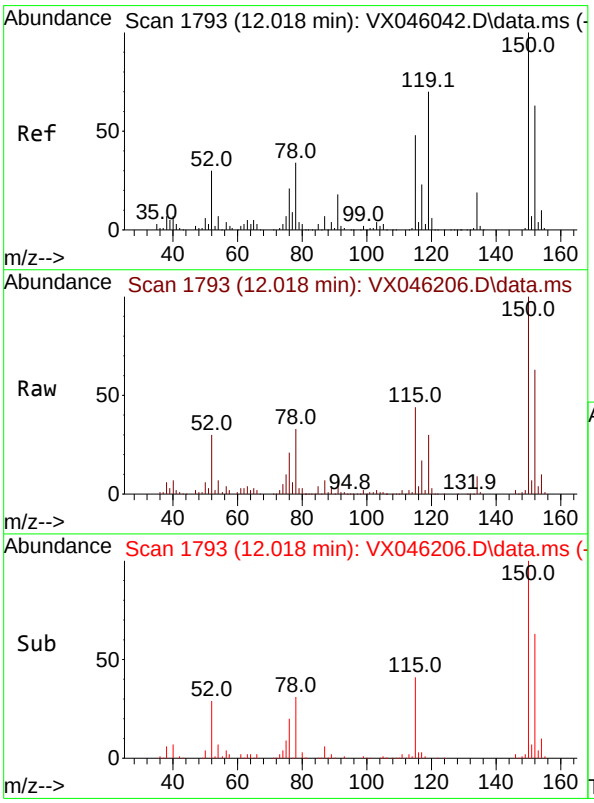
#71
Bromoform
Concen: 19.133 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:173 Resp: 14962

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.0
254	0.0	0.0	0.0

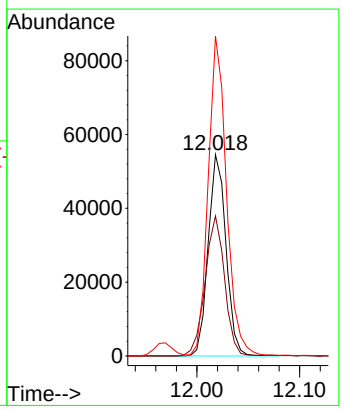


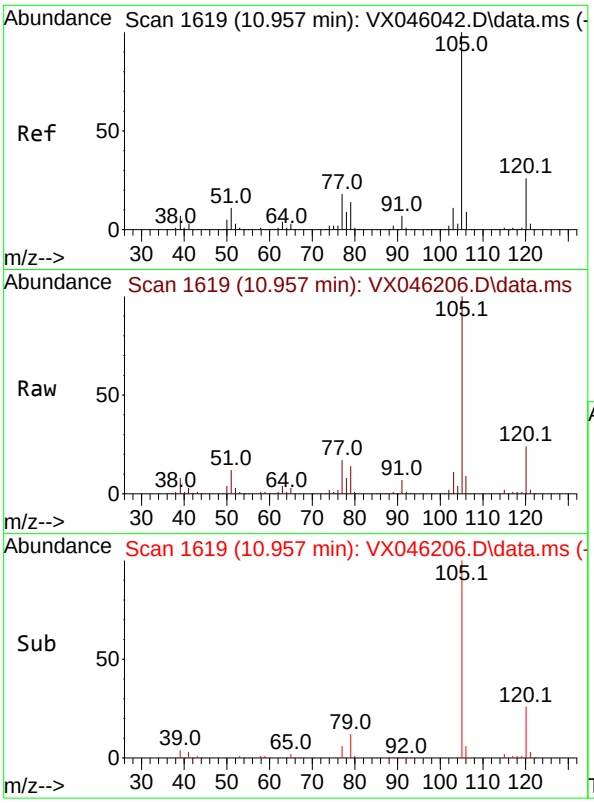


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:152 Resp: 65777

Ion	Ratio	Lower	Upper
152	100		
115	76.4	46.9	140.7
150	162.9	0.0	351.0



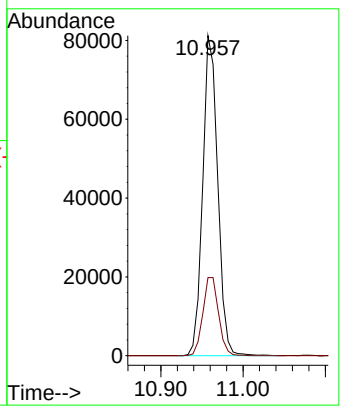


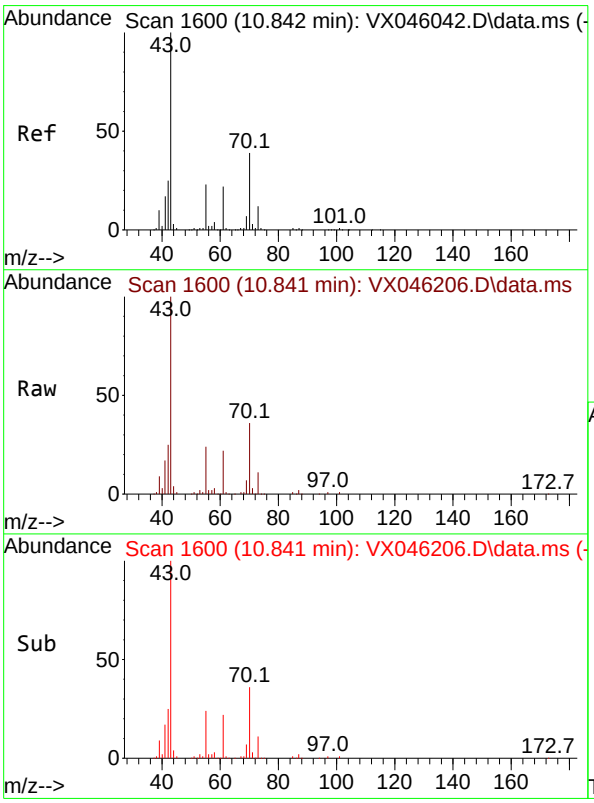
#73
Isopropylbenzene
Concen: 20.095 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:105 Resp: 102905

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

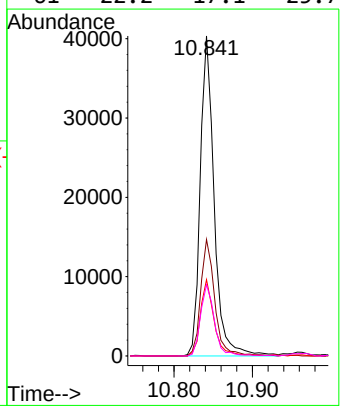


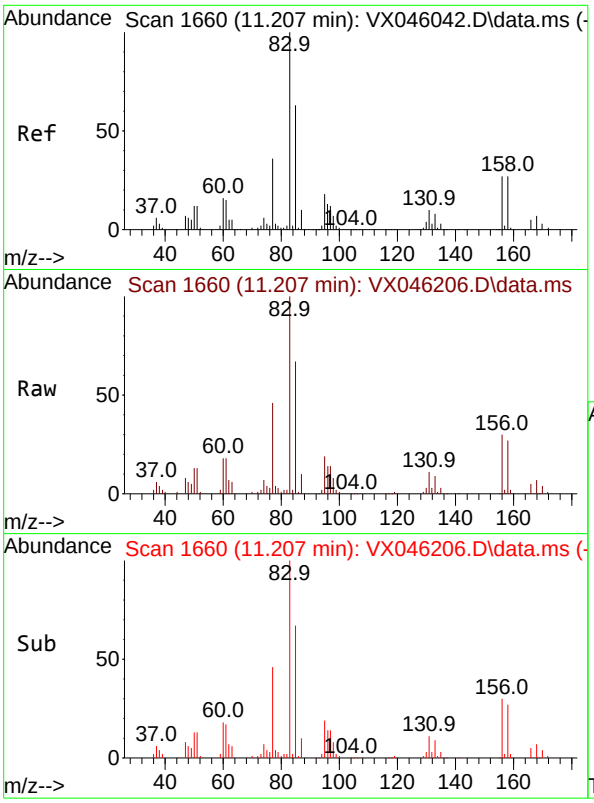


#74
N-amyl acetate
Concen: 19.716 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 43 Resp: 49890

Ion	Ratio	Lower	Upper
43	100		
70	36.8	30.9	46.3
55	23.4	18.7	28.1
61	22.2	17.1	25.7



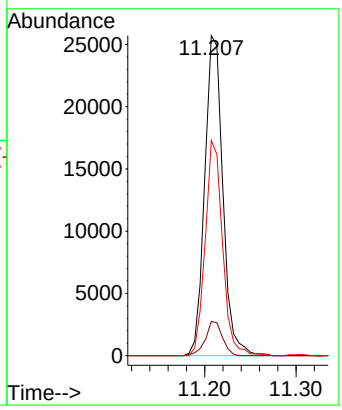


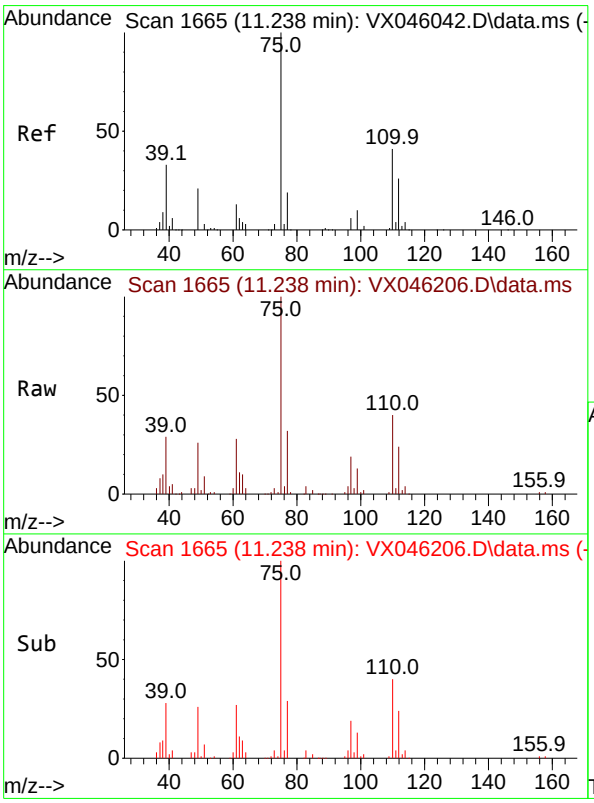
#75
1,1,2,2-Tetrachloroethane
Concen: 19.755 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 83 Resp: 35452

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.3	31.9	95.7

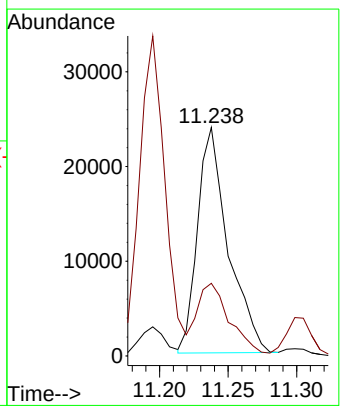


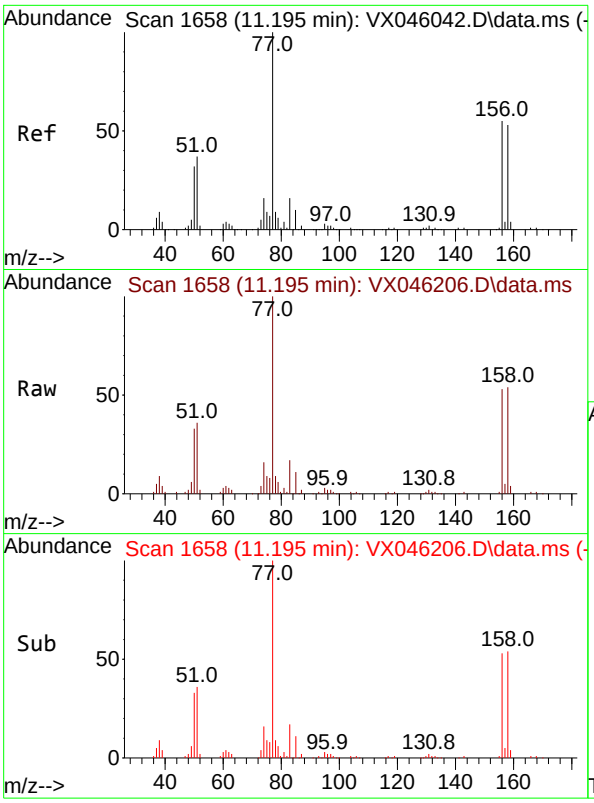


#76
1,2,3-Trichloropropane
Concen: 23.385 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 37025

Ion	Ratio	Lower	Upper
75	100		
77	34.9	20.5	61.5



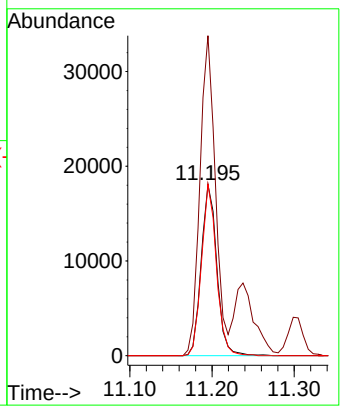


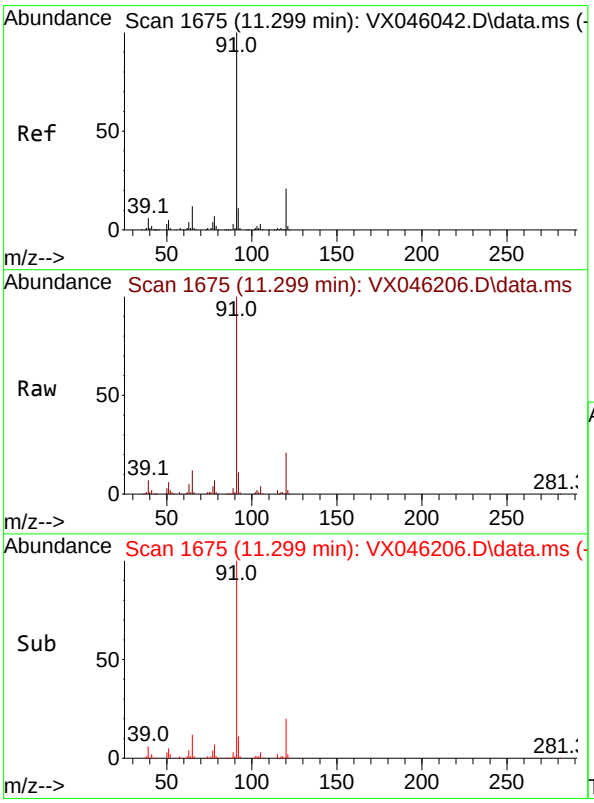
#77
Bromobenzene
Concen: 20.042 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:156 Resp: 23828

Ion	Ratio	Lower	Upper
156	100		
77	185.1	92.8	278.3
158	95.9	48.8	146.3

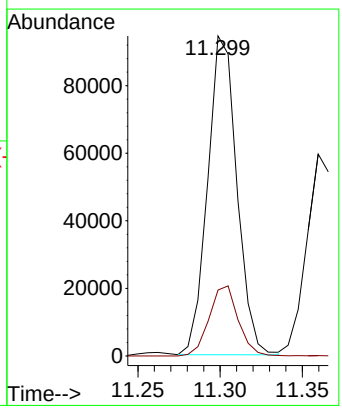


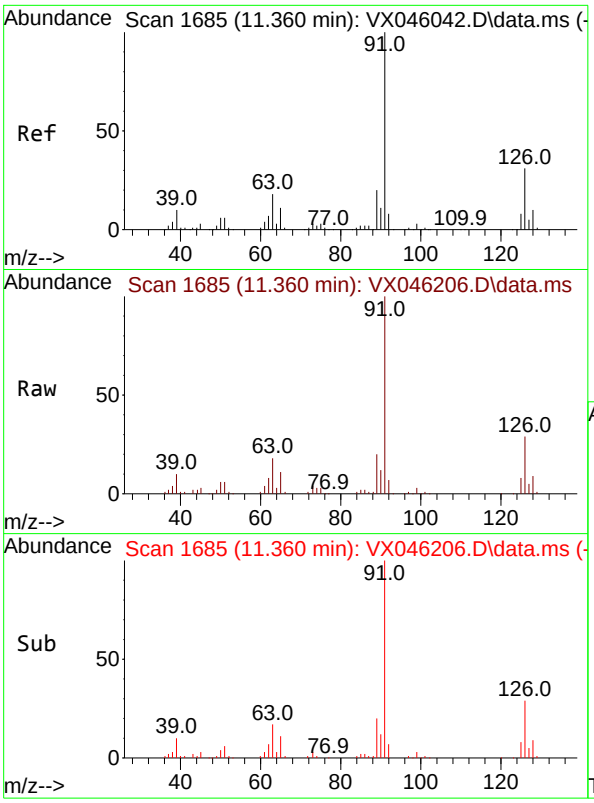


#78
n-propylbenzene
Concen: 19.617 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 91 Resp: 116803

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4



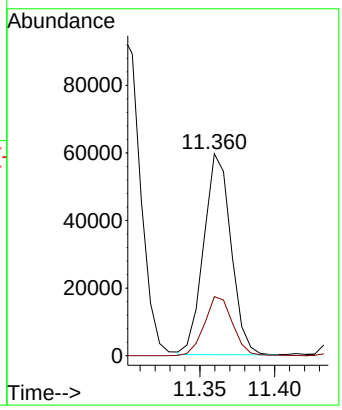


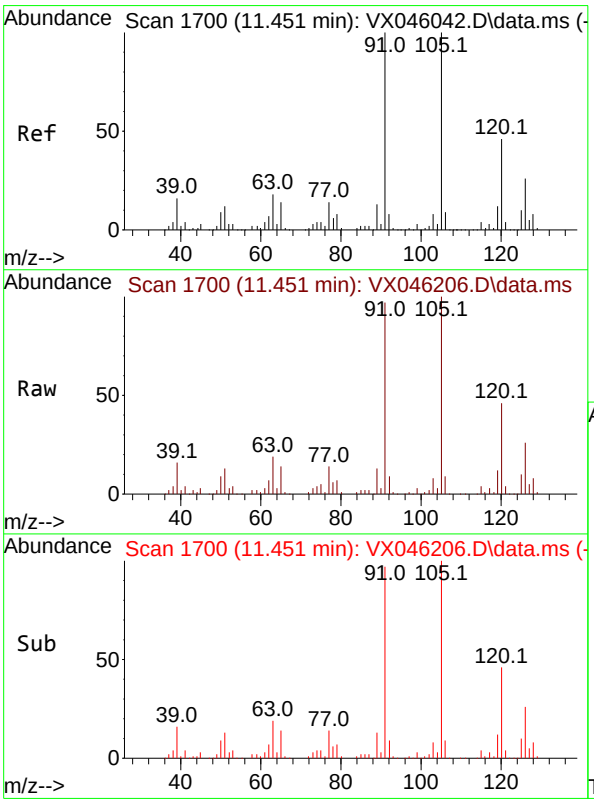
#79
2-Chlorotoluene
Concen: 19.682 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 91 Resp: 75590

Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.6	46.7

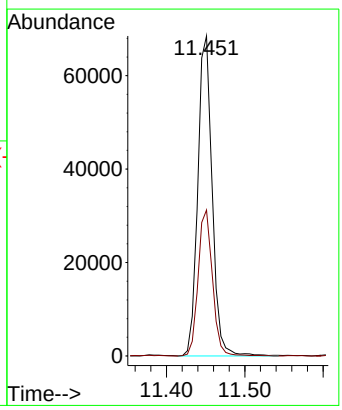


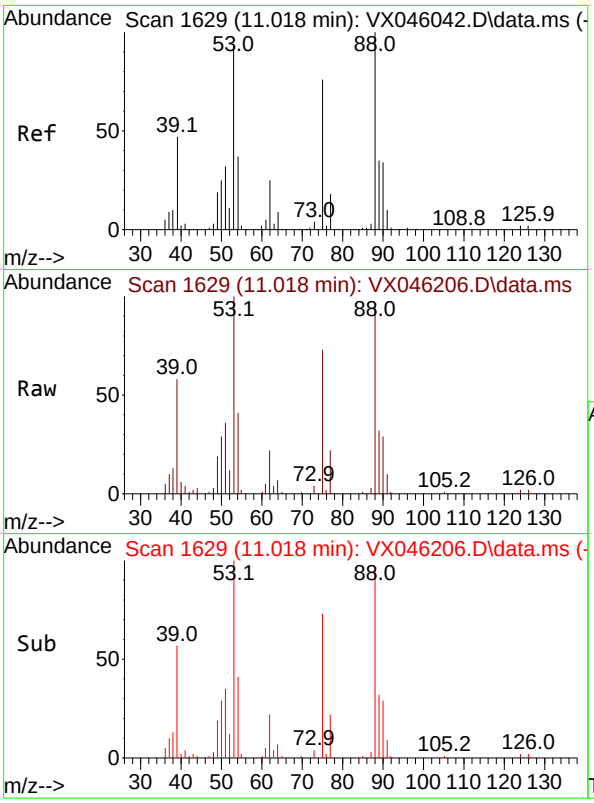


#80
1,3,5-Trimethylbenzene
Concen: 20.403 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:105 Resp: 87288

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.2



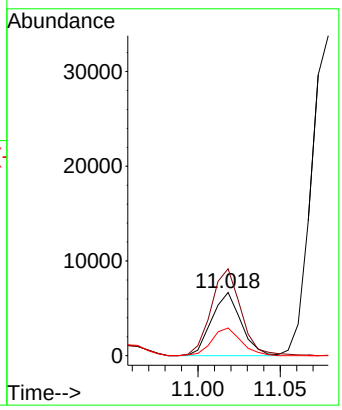


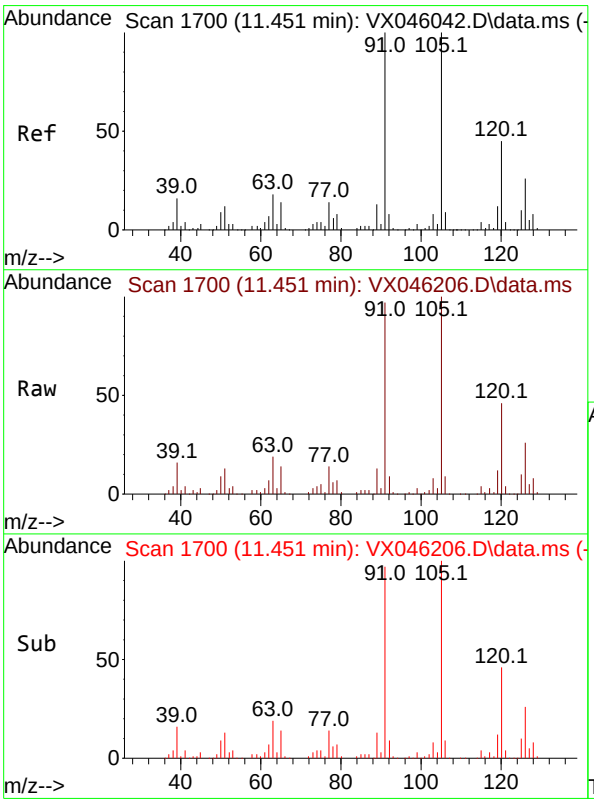
#81
trans-1,4-Dichloro-2-butene
Concen: 17.096 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 75 Resp: 8314

Ion	Ratio	Lower	Upper
75	100		
53	139.8	100.5	150.7
89	43.7	37.0	55.6

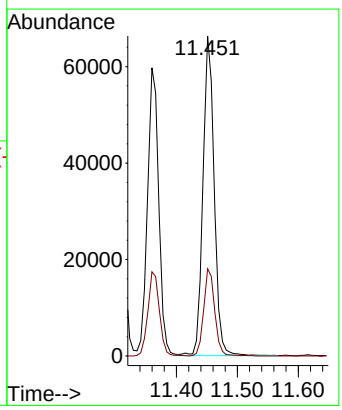


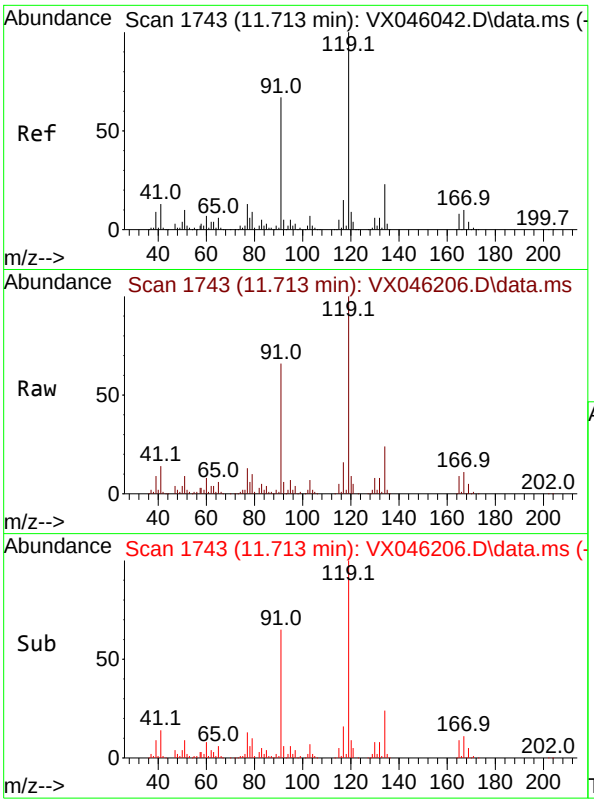


#82
4-Chlorotoluene
Concen: 20.011 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 91 Resp: 85228

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.8



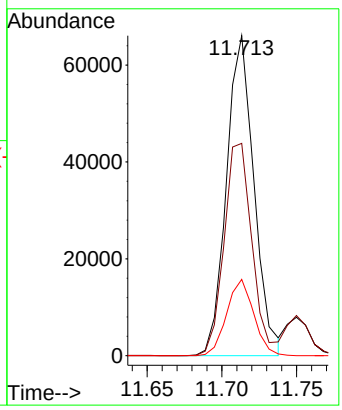


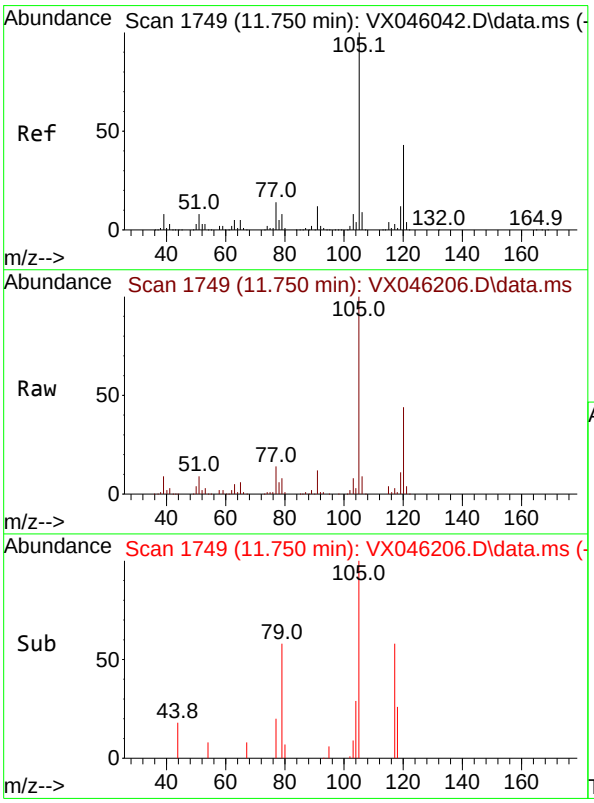
#83
tert-Butylbenzene
Concen: 19.661 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:119 Resp: 84725

Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.9	98.7
134	23.4	11.4	34.1

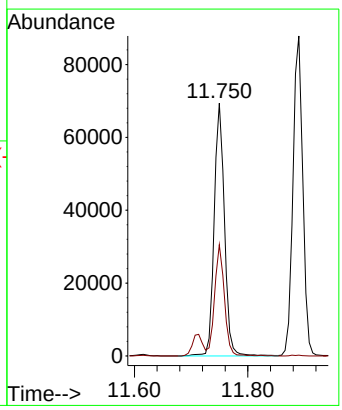


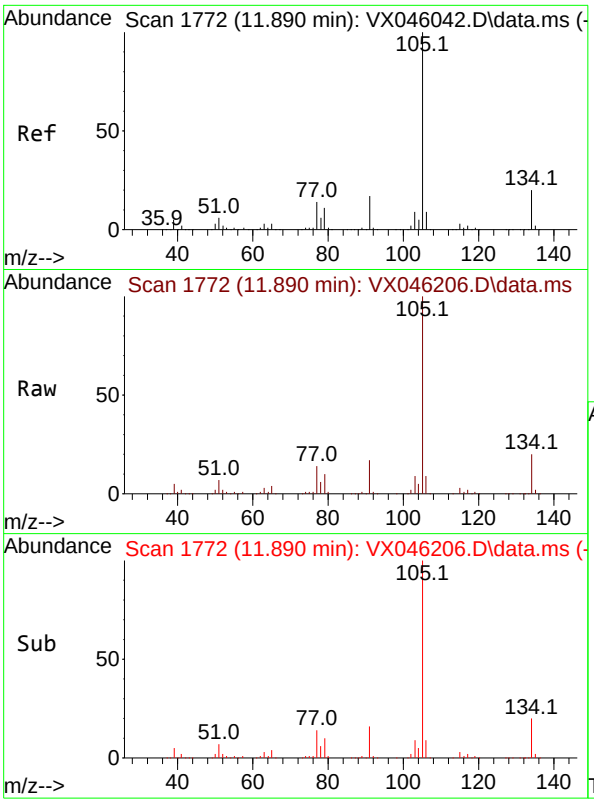


#84
1,2,4-Trimethylbenzene
Concen: 20.209 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:105 Resp: 87556

Ion	Ratio	Lower	Upper
105	100		
120	41.4	21.2	63.6



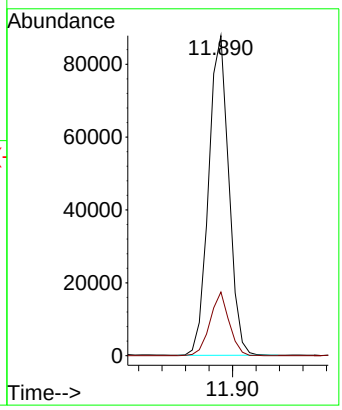


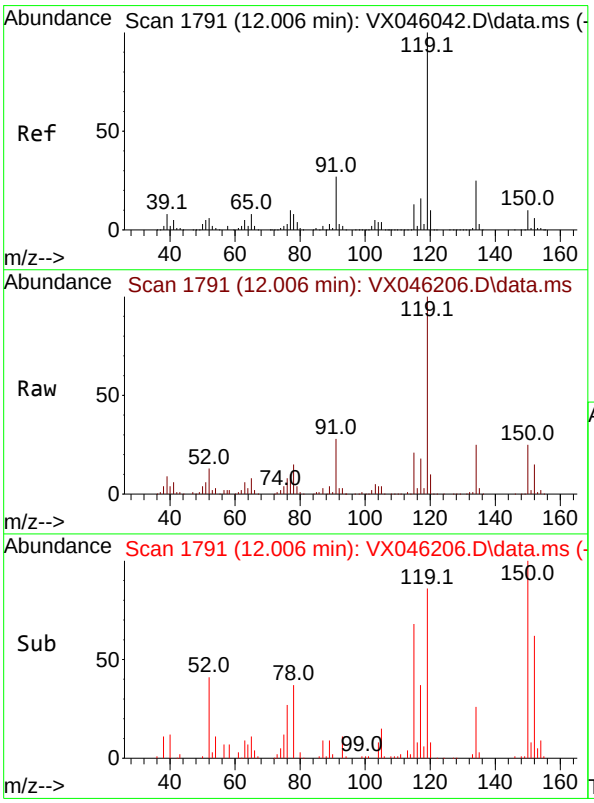
#85
sec-Butylbenzene
Concen: 19.818 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:105 Resp: 104859

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1

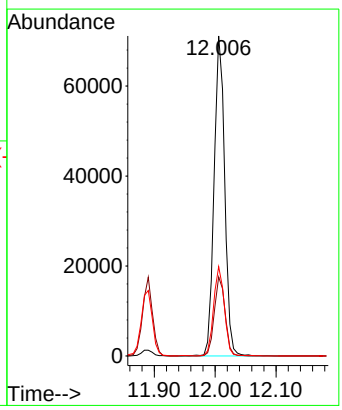


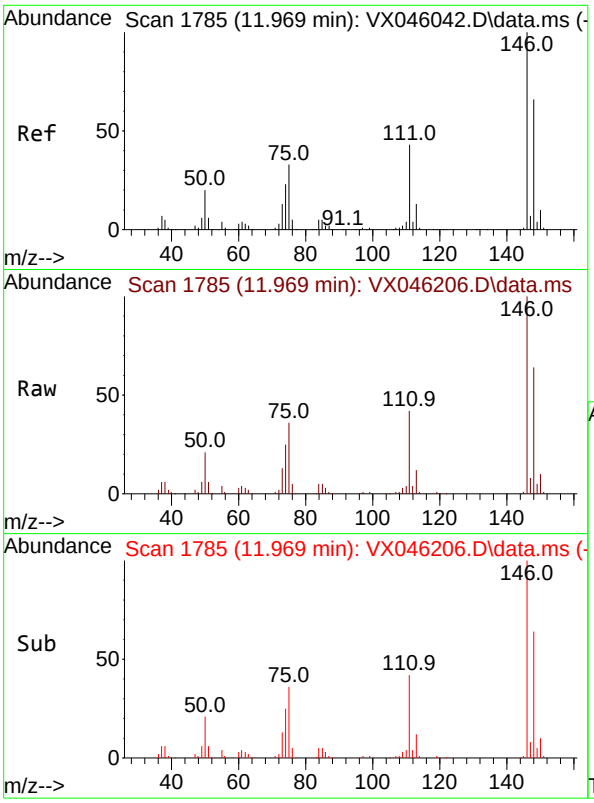


#86
p-Isopropyltoluene
Concen: 19.647 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:119 Resp: 85808

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	28.3	13.8	41.4



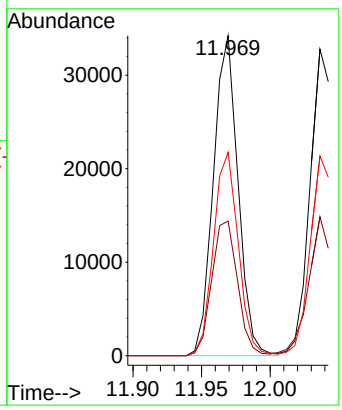


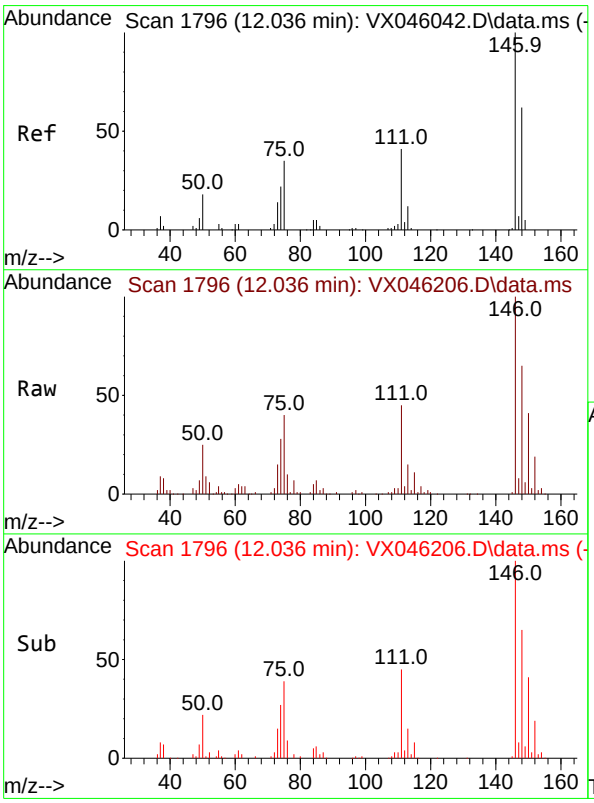
#87
1,3-Dichlorobenzene
Concen: 19.714 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:146 Resp: 42774

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	64.0	32.1	96.5

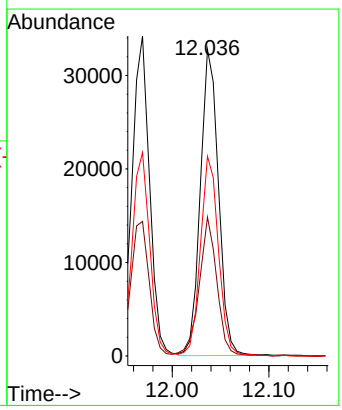


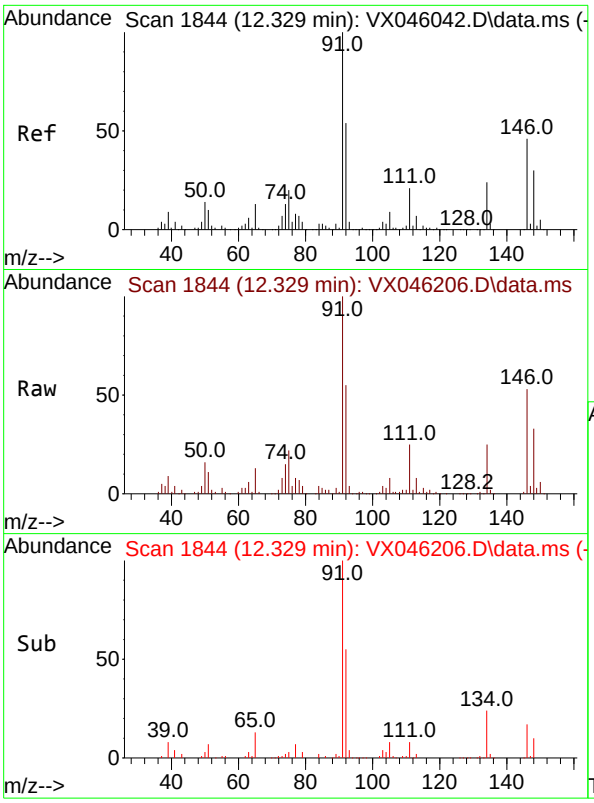


#88
1,4-Dichlorobenzene
Concen: 19.324 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:146 Resp: 42819

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.3	63.9
148	65.0	31.9	95.5



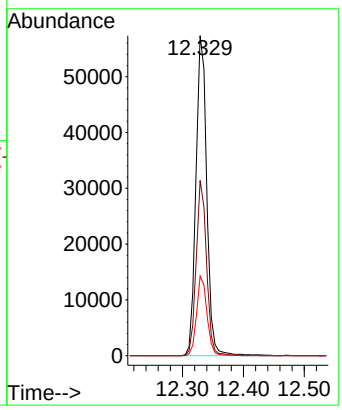


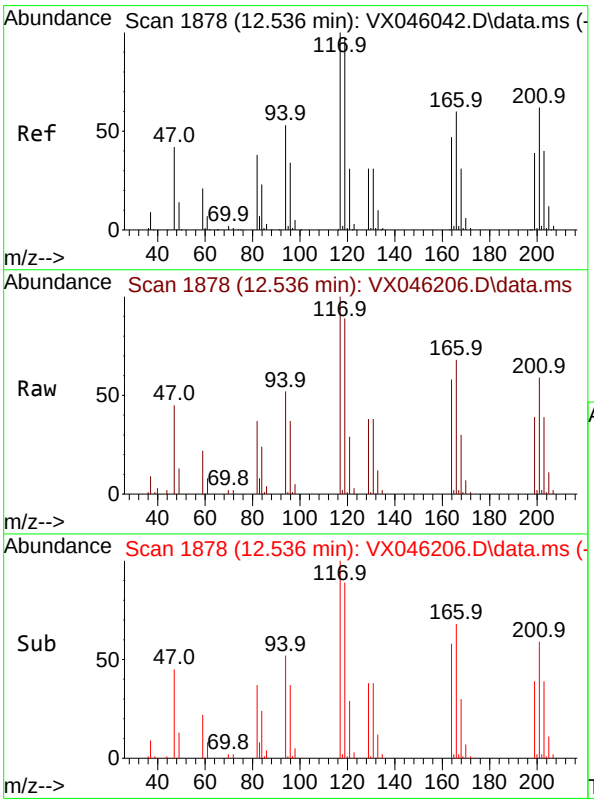
#89
n-Butylbenzene
Concen: 18.472 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion: 91 Resp: 70768

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.9	80.7
134	24.0	11.8	35.3

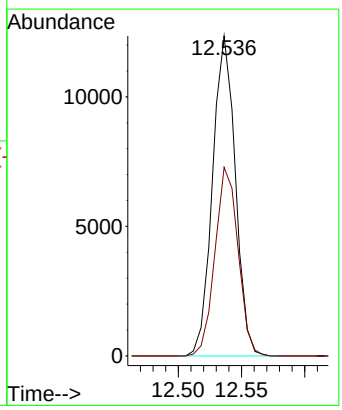


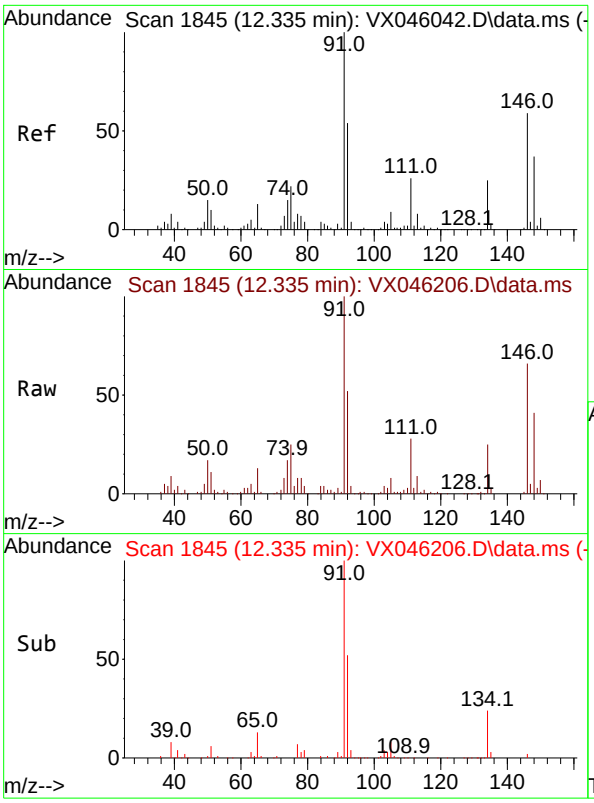


#90
Hexachloroethane
Concen: 20.109 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:117 Resp: 15473

Ion	Ratio	Lower	Upper
117	100		
201	59.8	31.6	94.7



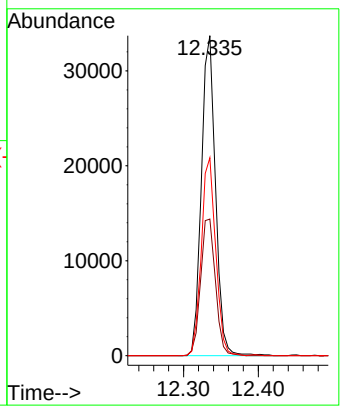


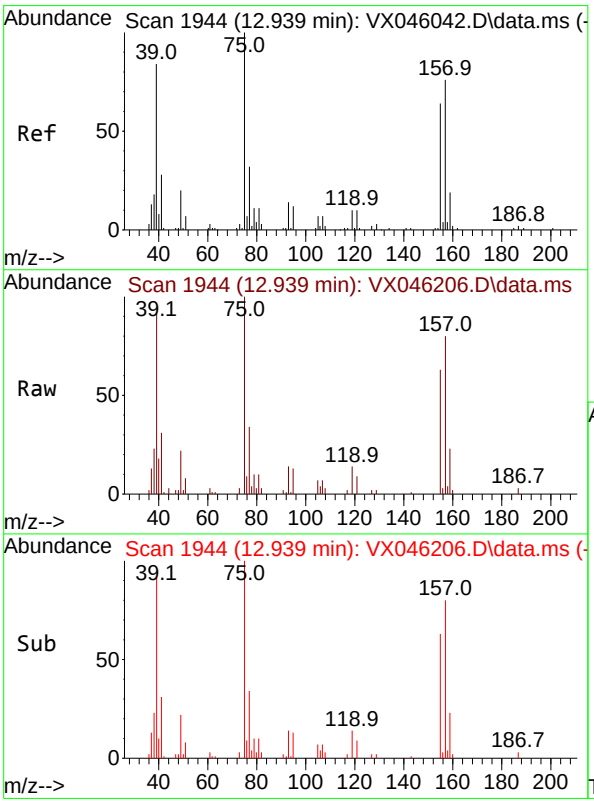
#91
1,2-Dichlorobenzene
Concen: 20.293 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:146 Resp: 44184

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.3
148	63.0	31.6	94.8

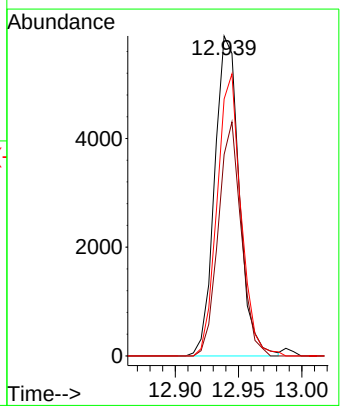


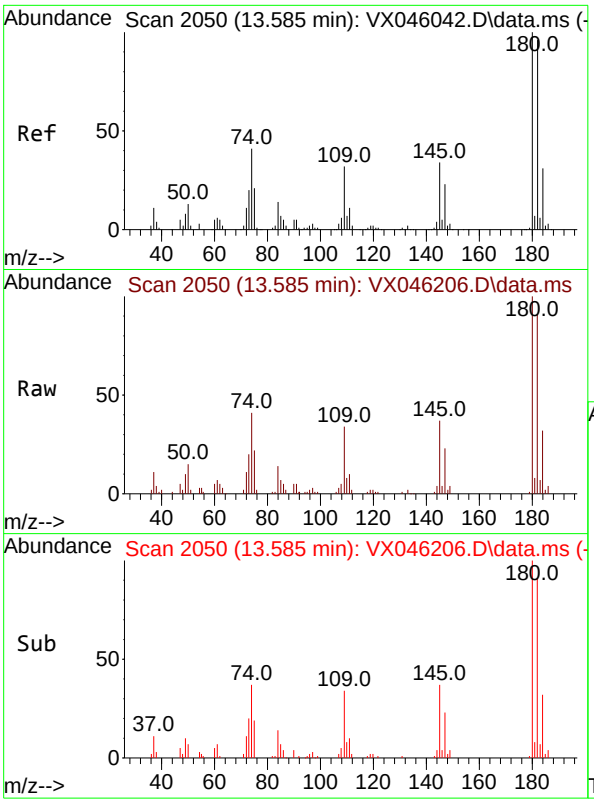


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.934 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion: 75 Resp: 7925

Ion	Ratio	Lower	Upper
75	100		
155	68.3	34.9	104.8
157	85.9	43.8	131.4



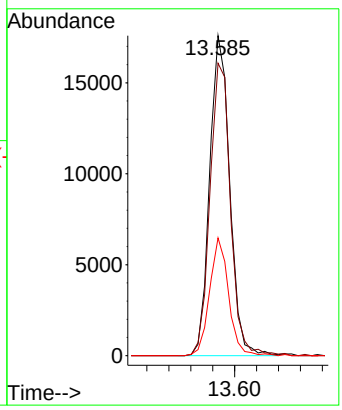


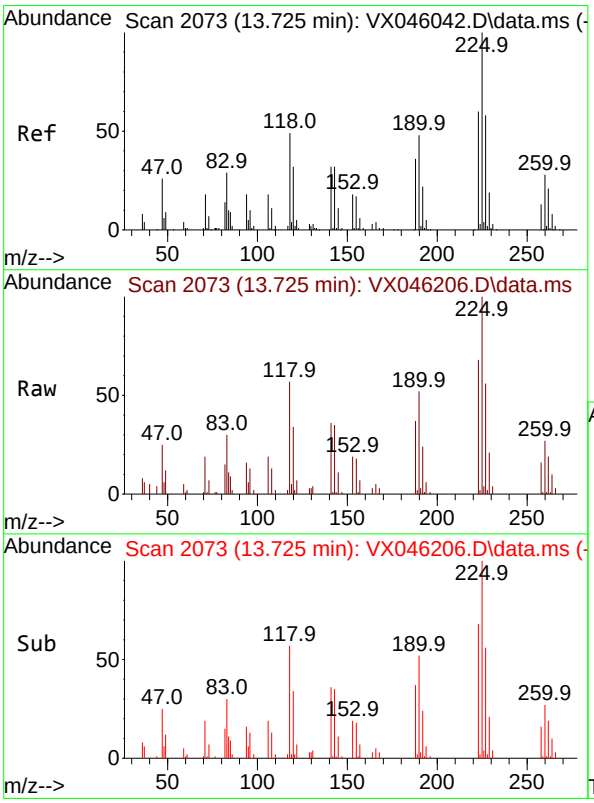
#93
1,2,4-Trichlorobenzene
Concen: 17.863 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:180 Resp: 22339

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.8
145	35.1	17.1	51.2

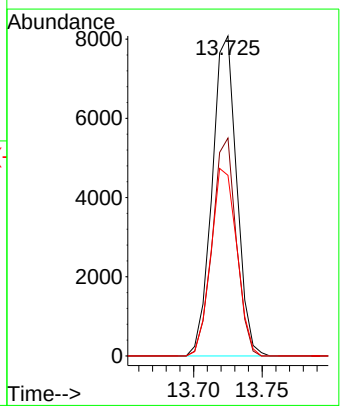


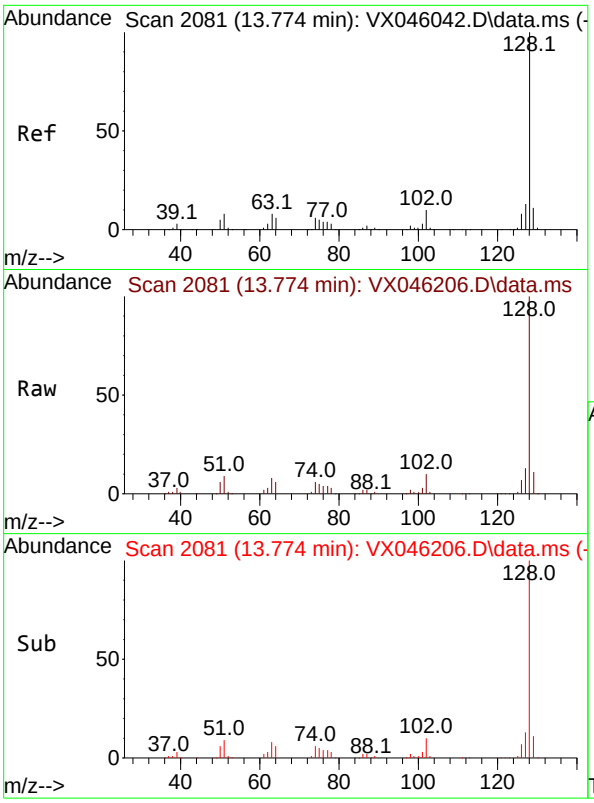


#94
Hexachlorobutadiene
Concen: 18.428 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:225 Resp: 10065

Ion	Ratio	Lower	Upper
225	100		
223	66.1	30.8	92.4
227	61.8	30.9	92.7



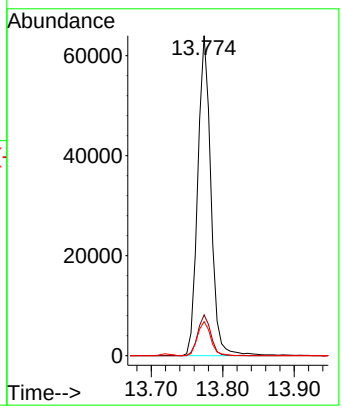


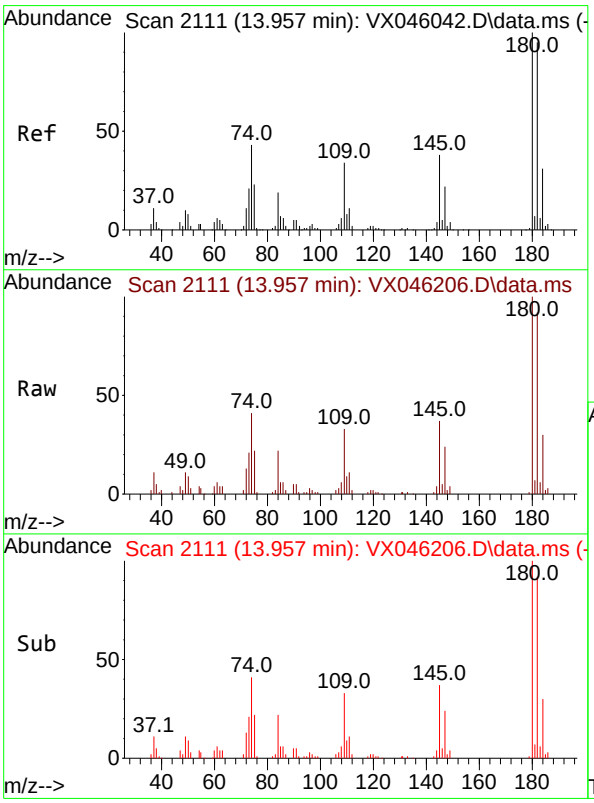
#95
Naphthalene
Concen: 17.822 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tgt Ion:128 Resp: 81743

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.8	8.6	13.0

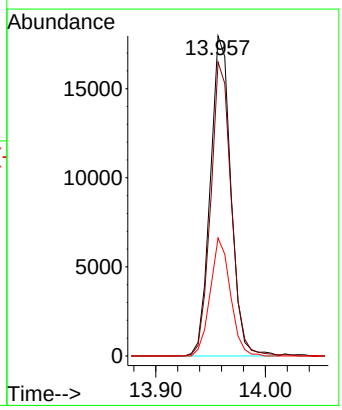




#96
1,2,3-Trichlorobenzene
Concen: 18.157 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046206.D
Acq: 15 May 2025 12:11

Tgt Ion:180 Resp: 23429

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.8	143.3
145	36.0	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046207.D
Acq On : 15 May 2025 12:38
Operator : JC/MD
Sample : VX0515WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Quant Time: May 16 01:04:03 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	86433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79550	49.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.740%			
35) Dibromofluoromethane	5.379	113	53868	49.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.647	98	183312	48.467	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.940%			
62) 4-Bromofluorobenzene	11.079	95	69470	47.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25515	19.287	ug/l	99
3) Chloromethane	1.307	50	24762	19.302	ug/l	100
4) Vinyl Chloride	1.374	62	21681	18.159	ug/l	95
5) Bromomethane	1.593	94	9877	17.835	ug/l	98
6) Chloroethane	1.672	64	12627	19.810	ug/l	97
7) Trichlorofluoromethane	1.880	101	34989	19.828	ug/l	100
8) Diethyl Ether	2.130	74	11888	19.790	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	21036	19.263	ug/l	99
10) Methyl Iodide	2.447	142	22364	17.308	ug/l	98
11) Tert butyl alcohol	2.971	59	24024	106.212	ug/l	99
12) 1,1-Dichloroethene	2.312	96	18359	17.913	ug/l	97
13) Acrolein	2.233	56	27271	105.868	ug/l	100
14) Allyl chloride	2.654	41	38911	19.865	ug/l	96
15) Acrylonitrile	3.062	53	69412	107.320	ug/l	99
16) Acetone	2.379	43	67256	104.097	ug/l	99
17) Carbon Disulfide	2.501	76	39144	16.110	ug/l	97
18) Methyl Acetate	2.703	43	35757	23.850	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72291	20.119	ug/l	98
20) Methylene Chloride	2.782	84	23134	18.685	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19577	18.994	ug/l	98
22) Diisopropyl ether	3.763	45	77299	20.430	ug/l	92
23) Vinyl Acetate	3.721	43	336307	101.060	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42141	19.997	ug/l	99
25) 2-Butanone	4.556	43	100211	106.836	ug/l	98
26) 2,2-Dichloropropane	4.464	77	29004	17.584	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24006	19.348	ug/l	97
28) Bromochloromethane	4.891	49	22927	22.602	ug/l	95
29) Tetrahydrofuran	5.001	42	62587	106.483	ug/l	99
30) Chloroform	5.080	83	45302	20.624	ug/l	98
31) Cyclohexane	5.464	56	35976	18.734	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	37721	19.811	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27762	18.908	ug/l	98
37) Ethyl Acetate	4.721	43	35167	19.386	ug/l	99
38) Carbon Tetrachloride	5.665	117	31661	19.192	ug/l	99
39) Methylcyclohexane	7.379	83	33833	17.899	ug/l	96
40) Benzene	6.031	78	84839	19.727	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046207.D
Acq On : 15 May 2025 12:38
Operator : JC/MD
Sample : VX0515WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Quant Time: May 16 01:04:03 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)
41) Methacrylonitrile	4.916	41	21538	22.697	ug/l		98
42) 1,2-Dichloroethane	6.080	62	38367	20.671	ug/l		99
43) Isopropyl Acetate	6.336	43	56698	20.488	ug/l		99
44) Trichloroethene	7.123	130	19429	18.771	ug/l		90
45) 1,2-Dichloropropane	7.427	63	22755	21.279	ug/l		96
46) Dibromomethane	7.580	93	17222	20.419	ug/l		99
47) Bromodichloromethane	7.818	83	33648	20.256	ug/l		97
48) Methyl methacrylate	7.689	41	29938	21.183	ug/l		98
49) 1,4-Dioxane	7.659	88	12002	447.250	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	200742	109.281	ug/l		99
52) Toluene	8.714	92	53123	20.145	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27797	18.826	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	32007	19.613	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	22311	21.457	ug/l		94
56) Ethyl methacrylate	9.116	69	34224	20.651	ug/l		98
57) 1,3-Dichloropropane	9.305	76	39056	20.915	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	79190	93.730	ug/l		99
59) 2-Hexanone	9.427	43	150679	110.872	ug/l		98
60) Dibromochloromethane	9.518	129	23664	20.723	ug/l		98
61) 1,2-Dibromoethane	9.604	107	22730	21.032	ug/l		100
64) Tetrachloroethene	9.268	164	18090	19.250	ug/l		95
65) Chlorobenzene	10.079	112	56584	19.464	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	19745	19.891	ug/l		98
67) Ethyl Benzene	10.189	91	101083	19.726	ug/l		99
68) m/p-Xylenes	10.299	106	74126	39.551	ug/l		97
69) o-Xylene	10.640	106	36605	20.034	ug/l		94
70) Styrene	10.652	104	61379	20.507	ug/l		99
71) Bromoform	10.799	173	14833	19.903	ug/l	#	99
73) Isopropylbenzene	10.957	105	99102	20.076	ug/l		99
74) N-amyl acetate	10.841	43	48533	19.897	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35644	20.605	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	37533	24.592	ug/l		88
77) Bromobenzene	11.195	156	21783	19.007	ug/l		96
78) n-propylbenzene	11.299	91	111762	19.472	ug/l		100
79) 2-Chlorotoluene	11.360	91	71697	19.366	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83897	20.344	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8050	17.172	ug/l		90
82) 4-Chlorotoluene	11.451	91	80748	19.668	ug/l		98
83) tert-Butylbenzene	11.713	119	82463	19.851	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	84059	20.128	ug/l		99
85) sec-Butylbenzene	11.890	105	100420	19.689	ug/l		99
86) p-Isopropyltoluene	12.006	119	82720	19.648	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	40744	19.480	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	40250	18.843	ug/l		95
89) n-Butylbenzene	12.329	91	68030	18.422	ug/l		99
90) Hexachloroethane	12.536	117	14018	18.900	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	42944	20.461	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8016	20.917	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22965	19.050	ug/l		97
94) Hexachlorobutadiene	13.725	225	10394	19.742	ug/l		98
95) Naphthalene	13.774	128	85011	19.227	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	24043	19.329	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046207.D
Acq On : 15 May 2025 12:38
Operator : JC/MD
Sample : VX0515WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Quant Time: May 16 01:04:03 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)

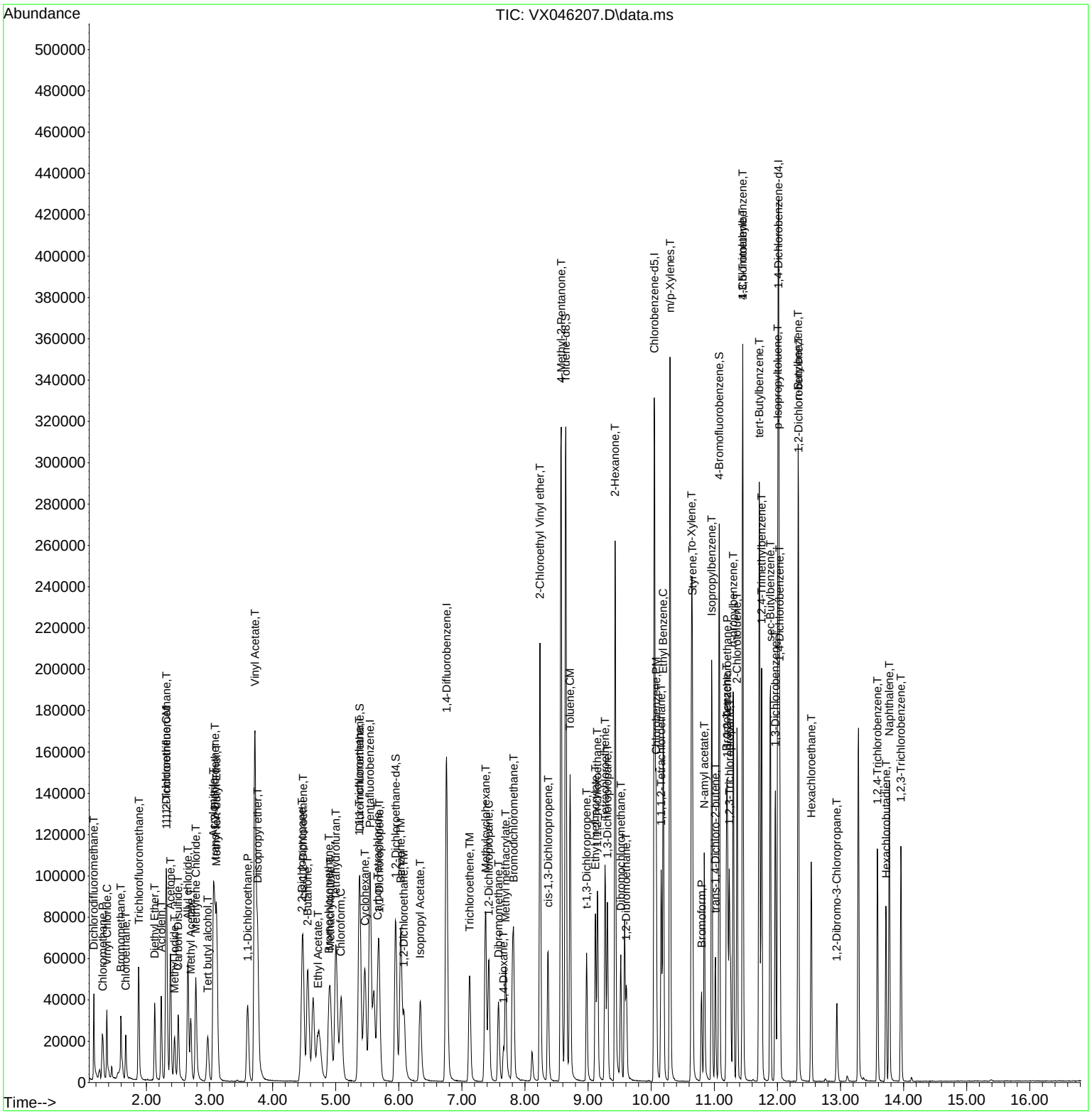
(#) = qualifier out of range (m) = manual integration (+) = signals summed

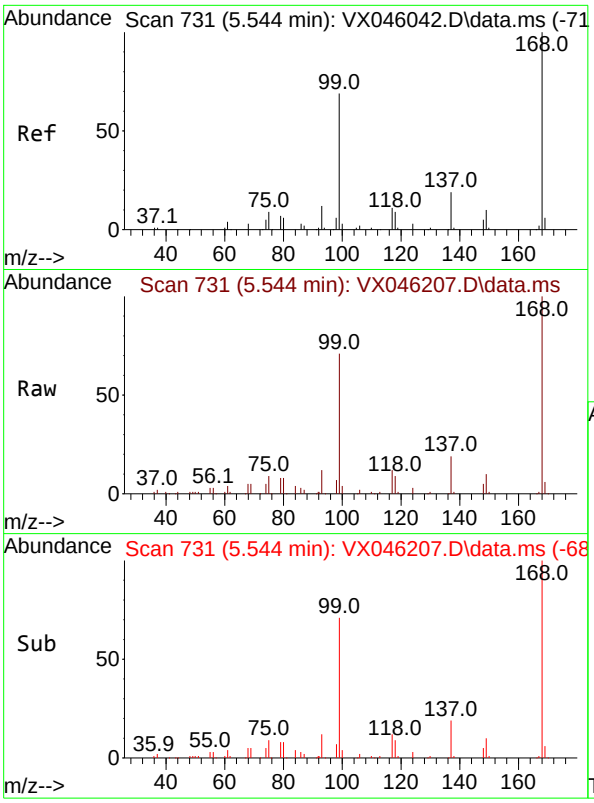
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046207.D
Acq On : 15 May 2025 12:38
Operator : JC/MD
Sample : VX0515WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Quant Time: May 16 01:04:03 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



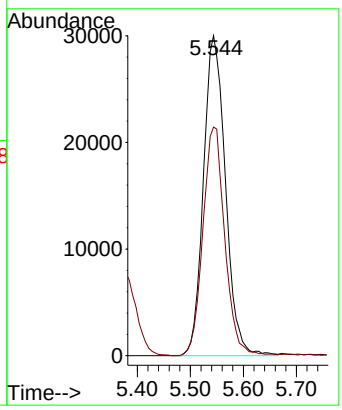


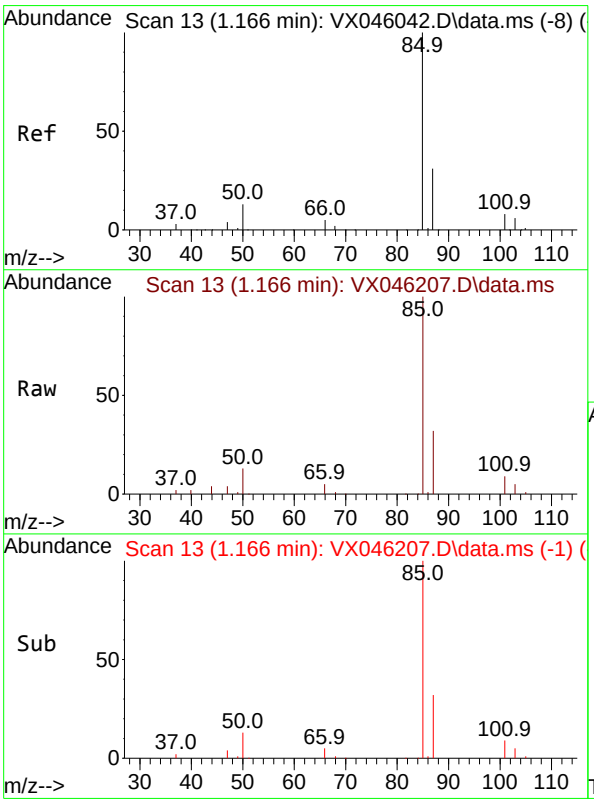
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:168 Resp: 86433

Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3

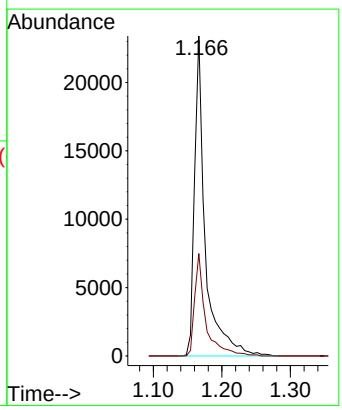


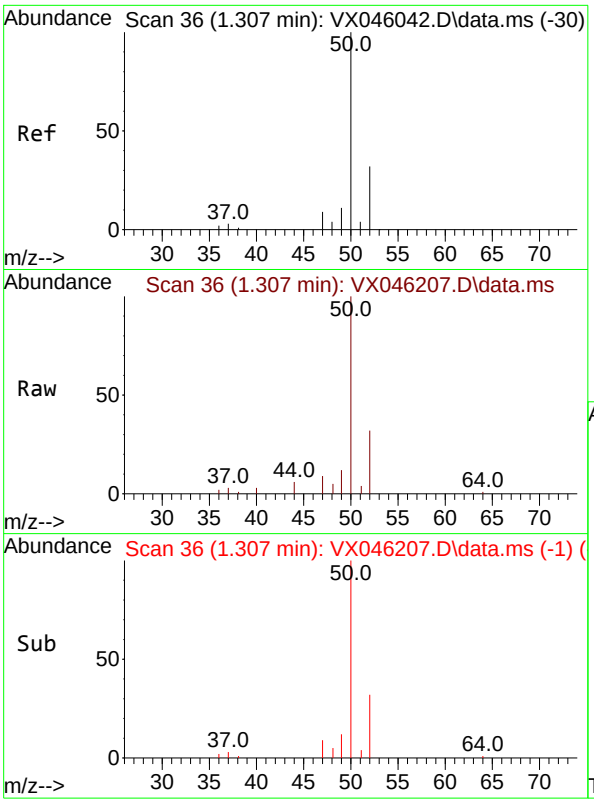


#2
Dichlorodifluoromethane
Concen: 19.287 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 85 Resp: 25515

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.1



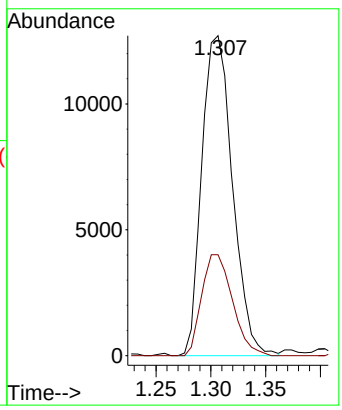


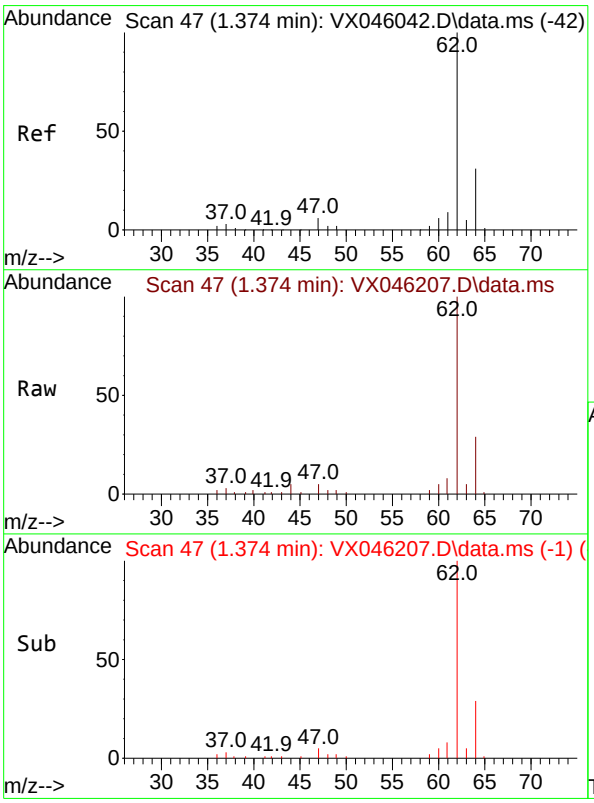
#3
Chloromethane
Concen: 19.302 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 50 Resp: 24762

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.4	38.2

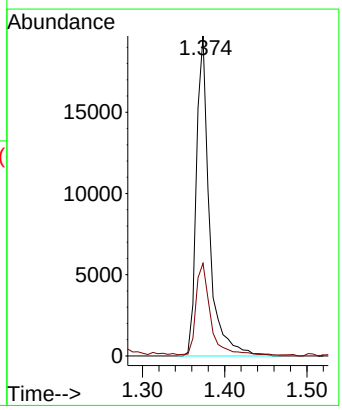


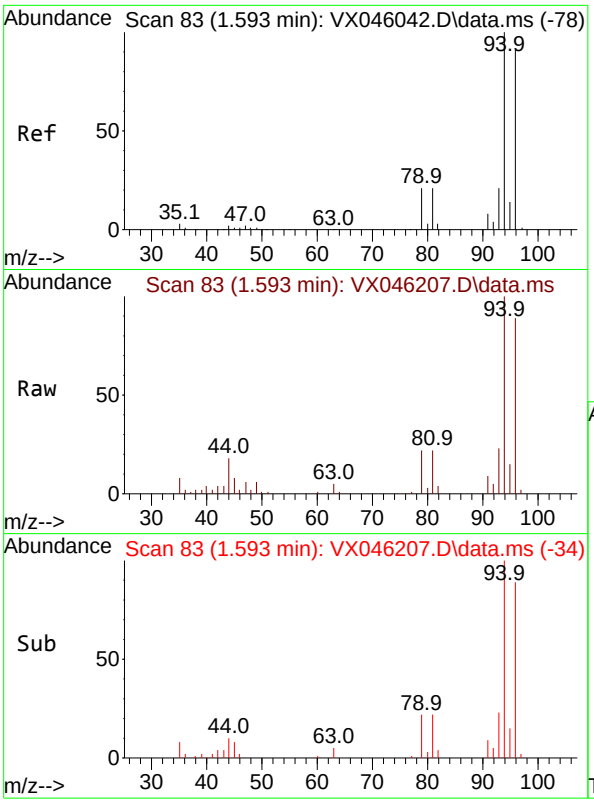


#4
Vinyl Chloride
Concen: 18.159 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 62 Resp: 21681

Ion	Ratio	Lower	Upper
62	100		
64	28.6	25.2	37.8



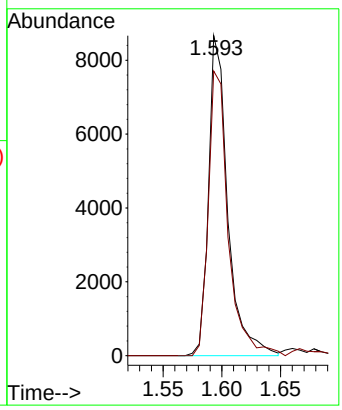


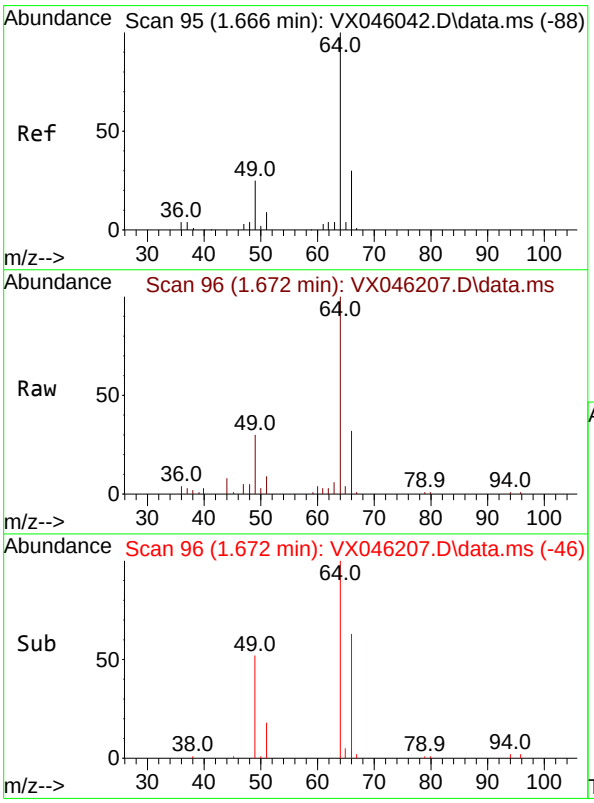
#5
Bromomethane
Concen: 17.835 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 94 Resp: 9877

Ion	Ratio	Lower	Upper
94	100		
96	88.9	72.8	109.2

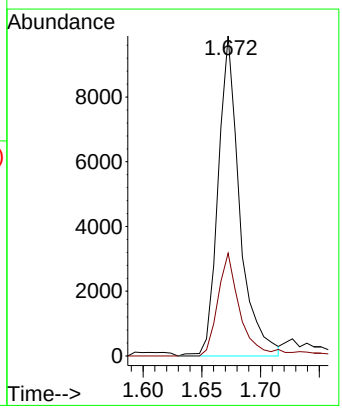


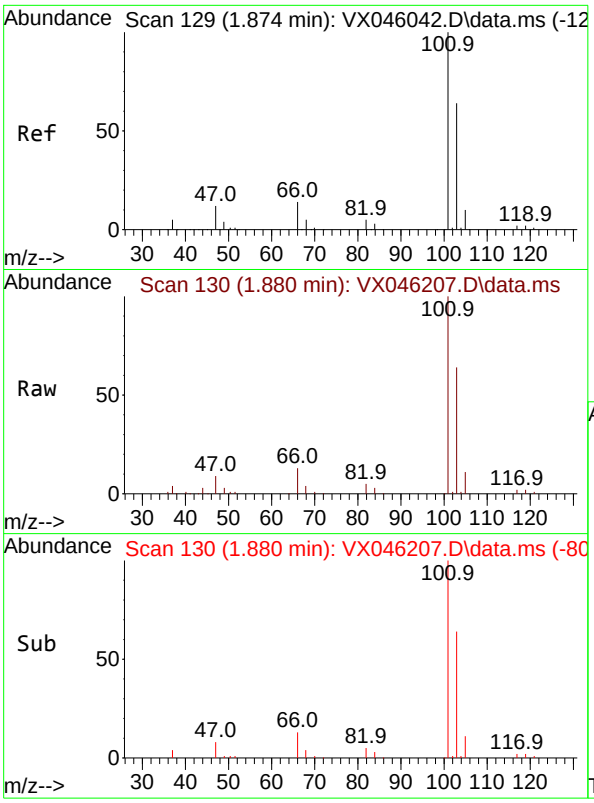


#6
Chloroethane
Concen: 19.810 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 64 Resp: 12627

Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.3	36.5



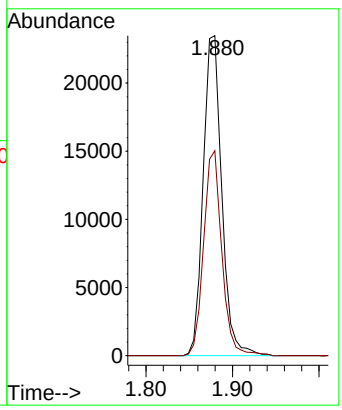


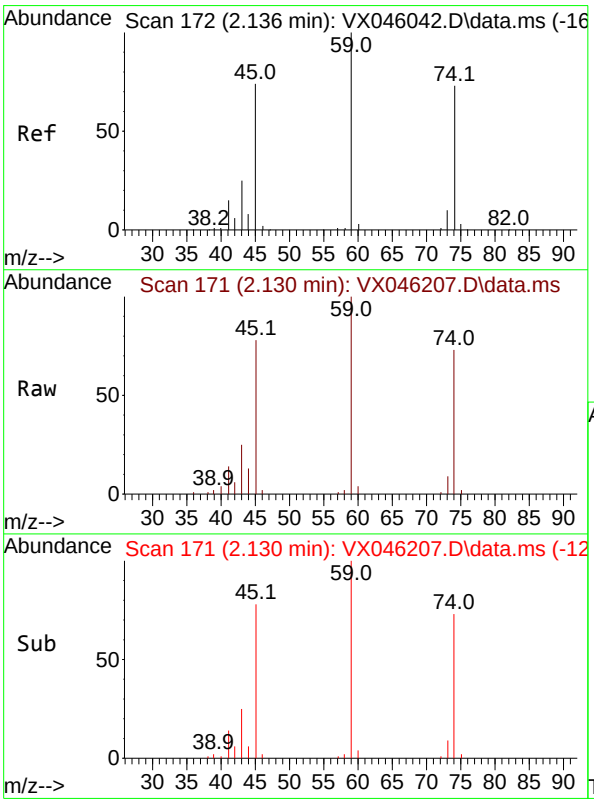
#7
Trichlorofluoromethane
Concen: 19.828 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:101 Resp: 34989

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.4

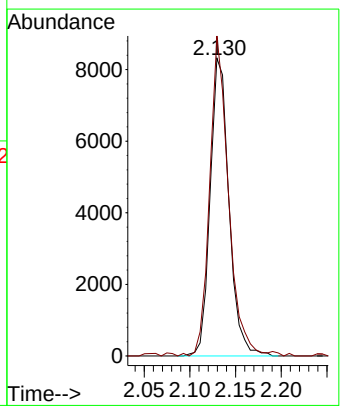


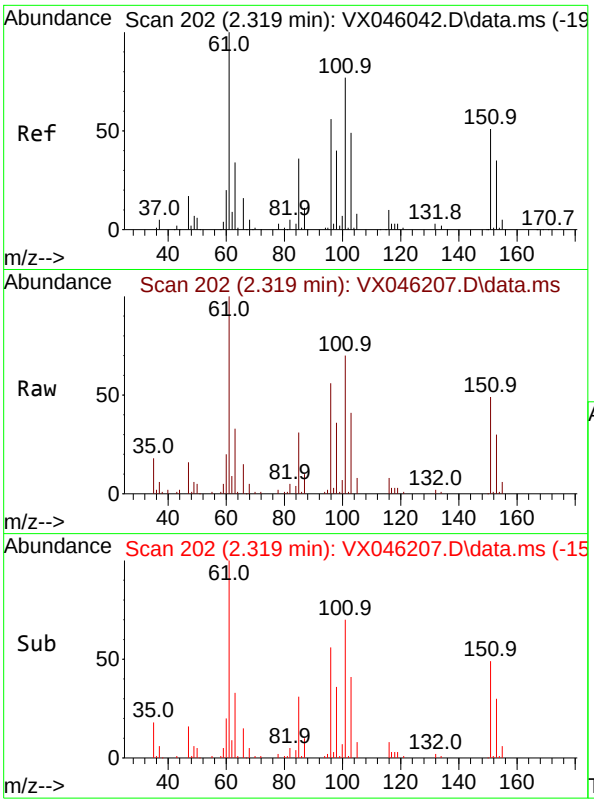


#8
Diethyl Ether
Concen: 19.790 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 74 Resp: 11888

Ion	Ratio	Lower	Upper
74	100		
45	108.1	54.9	164.8



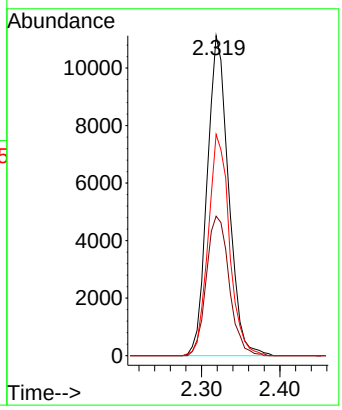


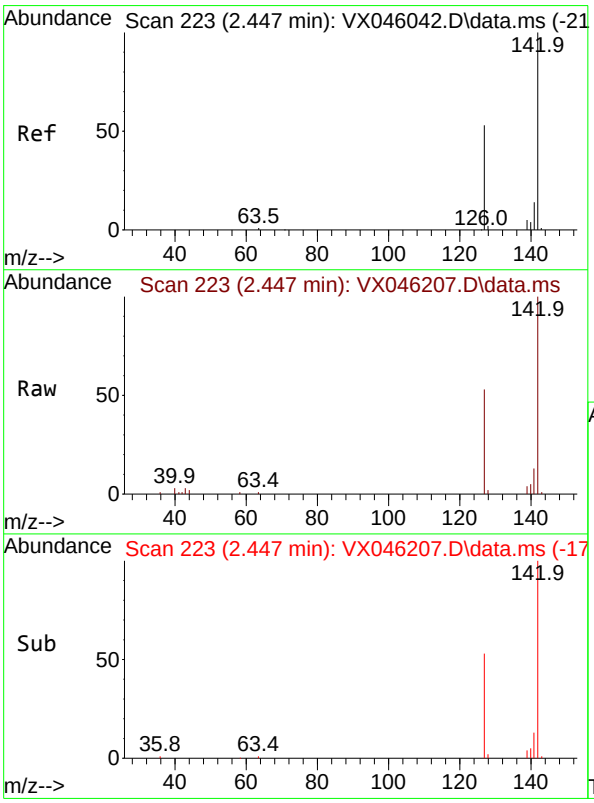
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.263 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:101 Resp: 21036

Ion	Ratio	Lower	Upper
101	100		
85	46.7	38.6	58.0
151	68.8	55.2	82.8

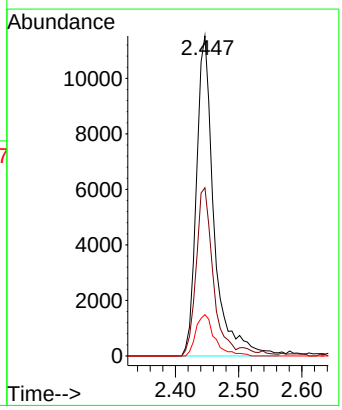


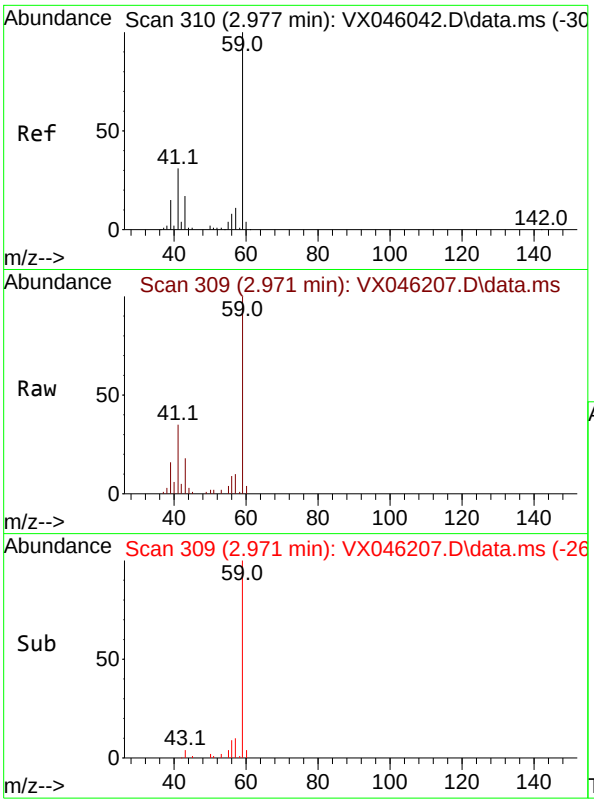


#10
Methyl Iodide
Concen: 17.308 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:142 Resp: 22364

Ion	Ratio	Lower	Upper
142	100		
127	53.2	41.7	62.5
141	13.8	11.5	17.3



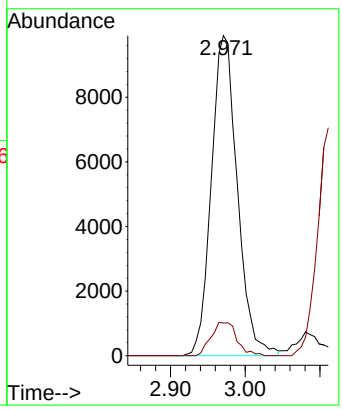


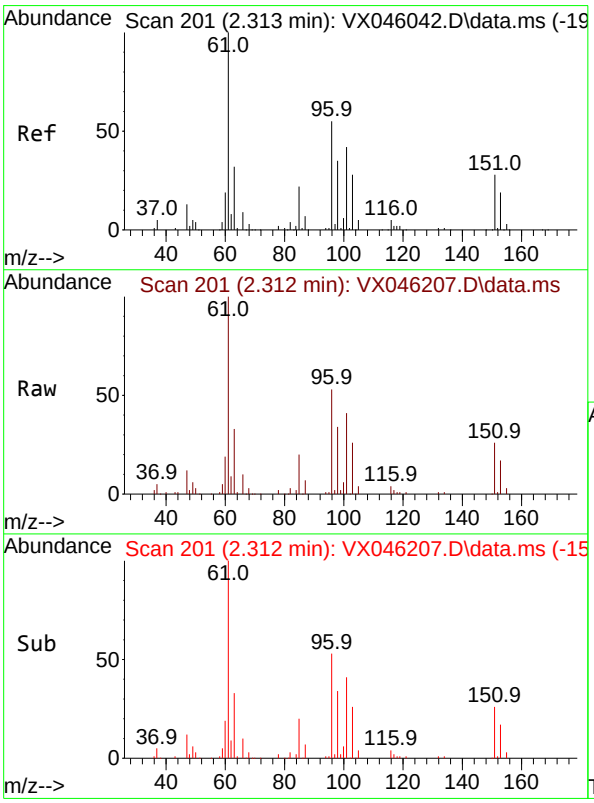
#11
Tert butyl alcohol
Concen: 106.212 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 59 Resp: 24024

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

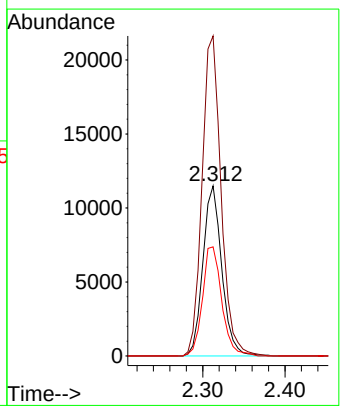


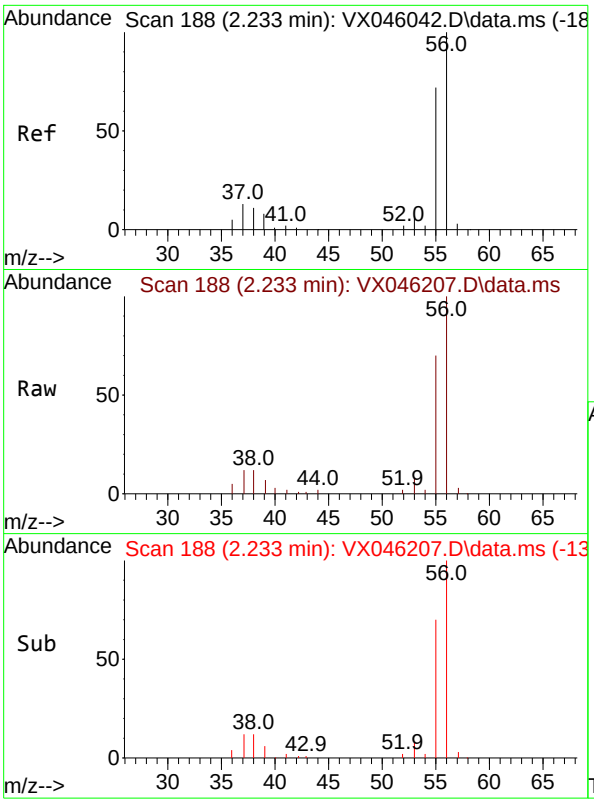


#12
1,1-Dichloroethene
Concen: 17.913 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 96 Resp: 18359

Ion	Ratio	Lower	Upper
96	100		
61	188.2	146.2	219.2
98	64.2	51.0	76.6



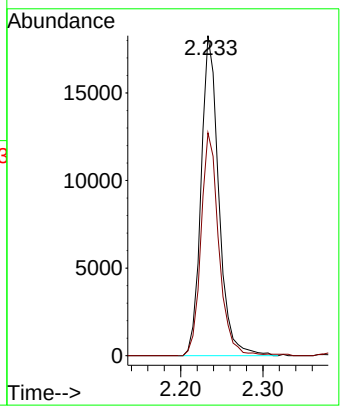


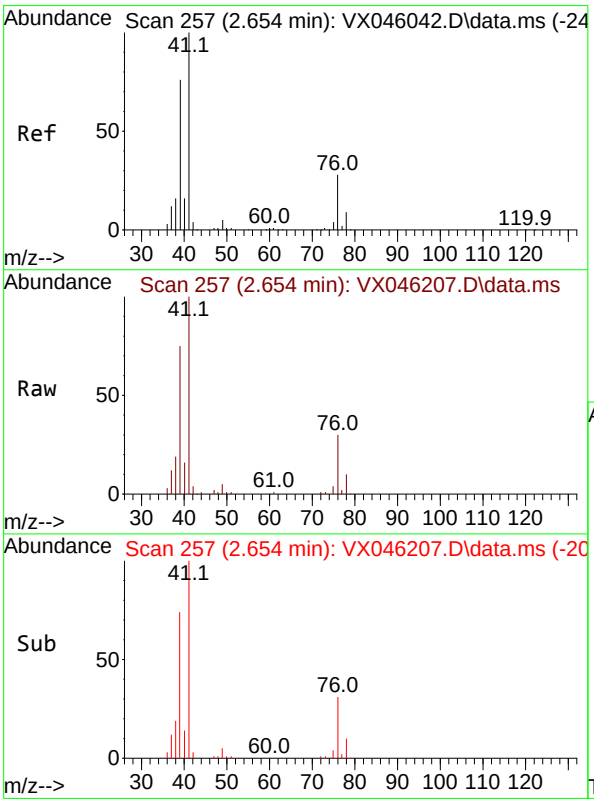
#13
Acrolein
Concen: 105.868 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 56 Resp: 27271

Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.4

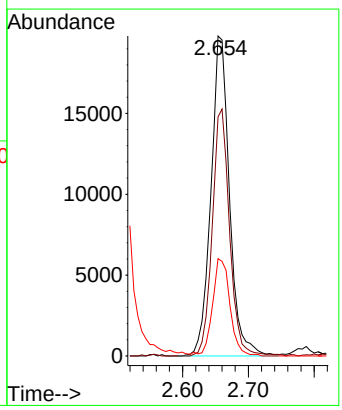


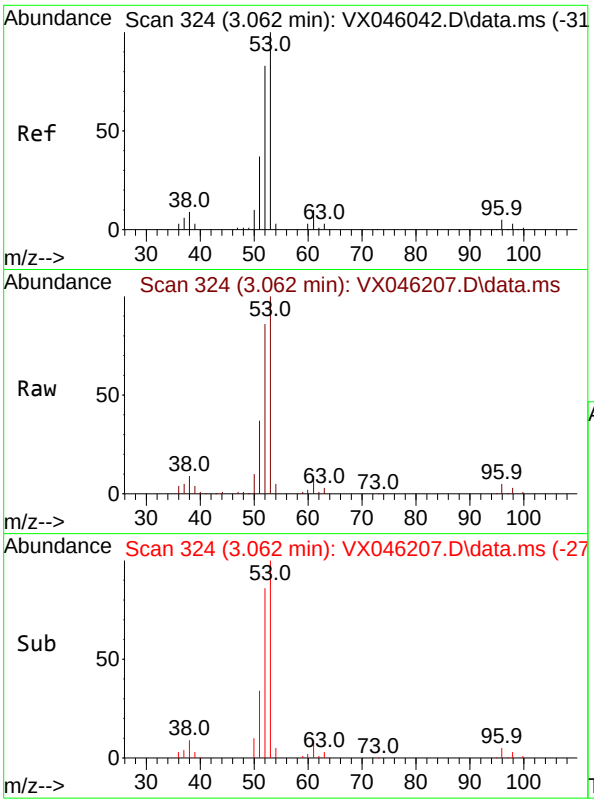


#14
Allyl chloride
Concen: 19.865 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 41 Resp: 38911

Ion	Ratio	Lower	Upper
41	100		
39	72.0	60.6	90.8
76	28.6	24.9	37.3



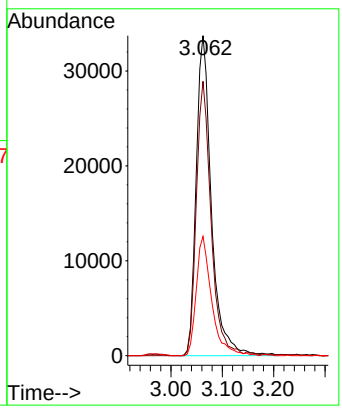


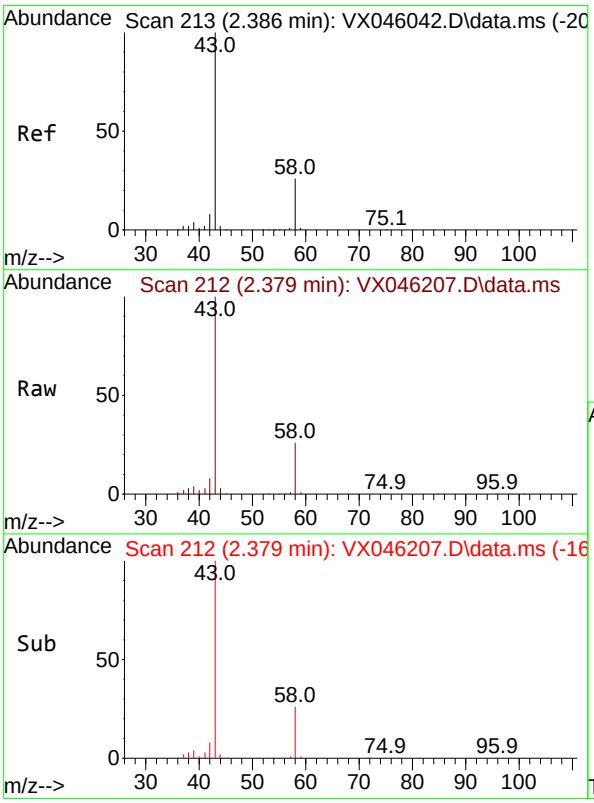
#15
Acrylonitrile
Concen: 107.320 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 53 Resp: 69412

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.3	97.9
51	37.8	29.8	44.8

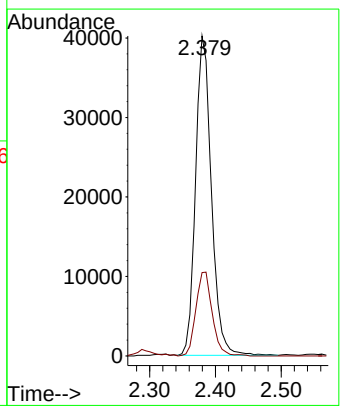


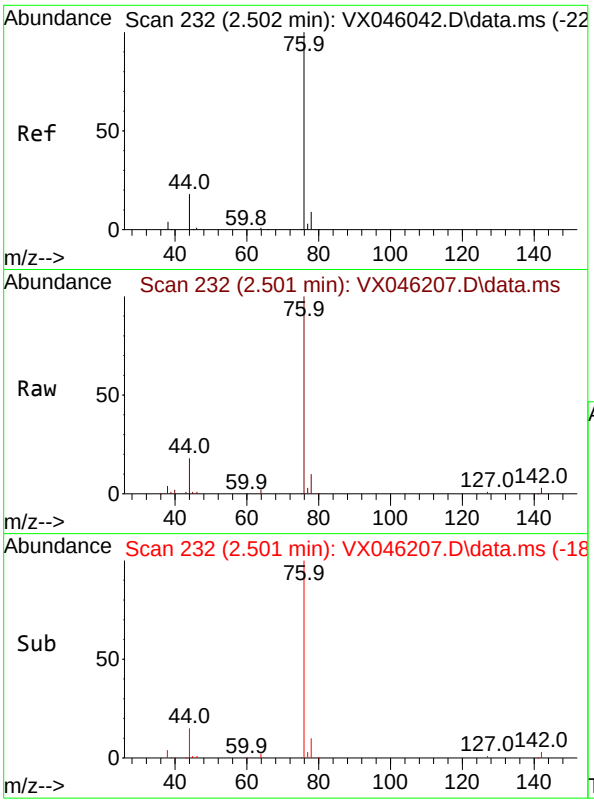


#16
Acetone
Concen: 104.097 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 67256

Ion	Ratio	Lower	Upper
43	100		
58	26.1	21.2	31.8



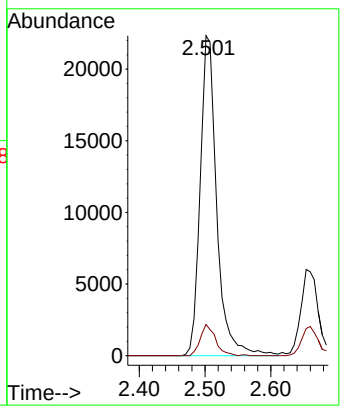


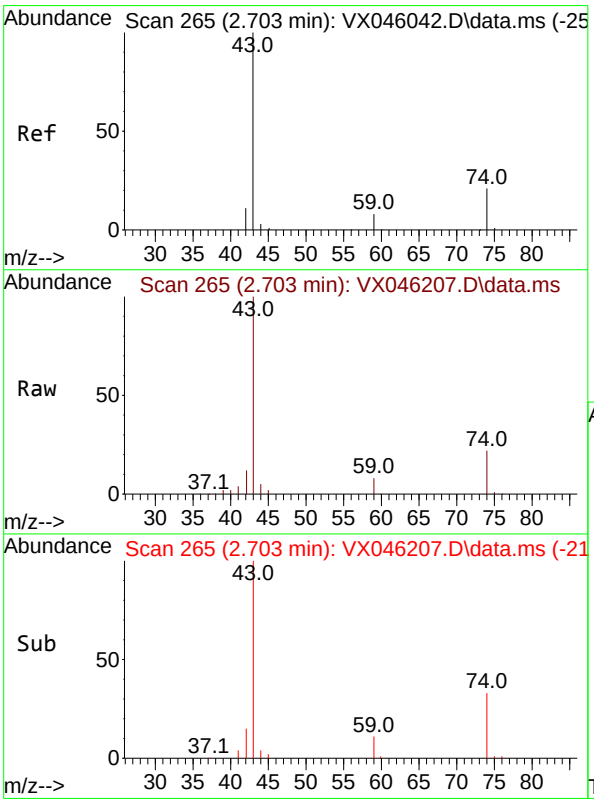
#17
Carbon Disulfide
Concen: 16.110 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 76 Resp: 39144

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.4

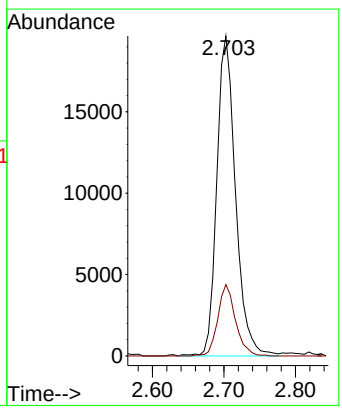


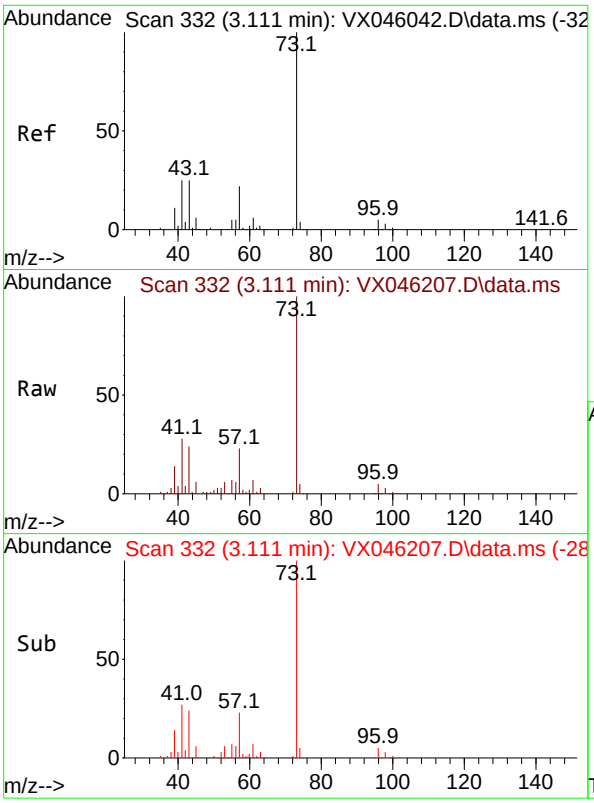


#18
Methyl Acetate
Concen: 23.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 35757

Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.7	25.1



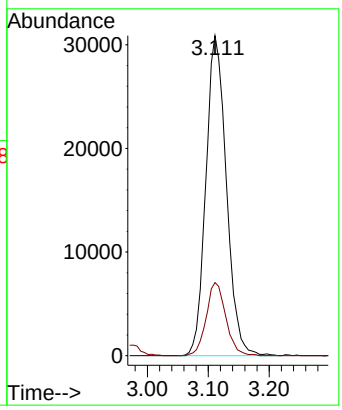


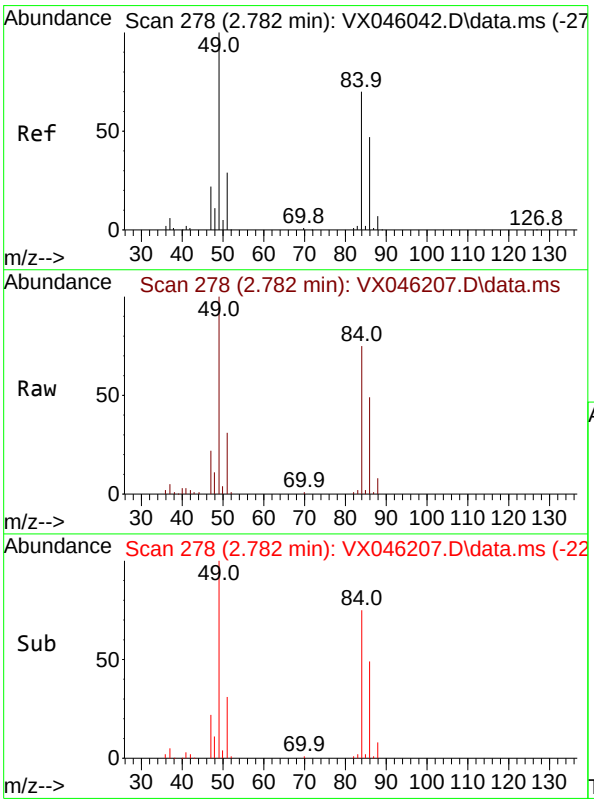
#19
Methyl tert-butyl Ether
Concen: 20.119 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 73 Resp: 72291

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5

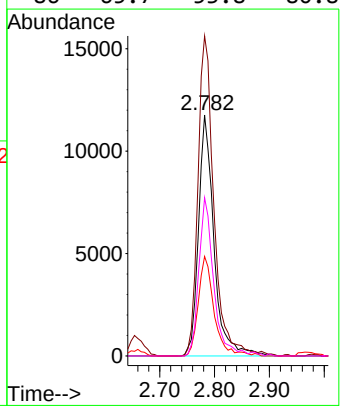


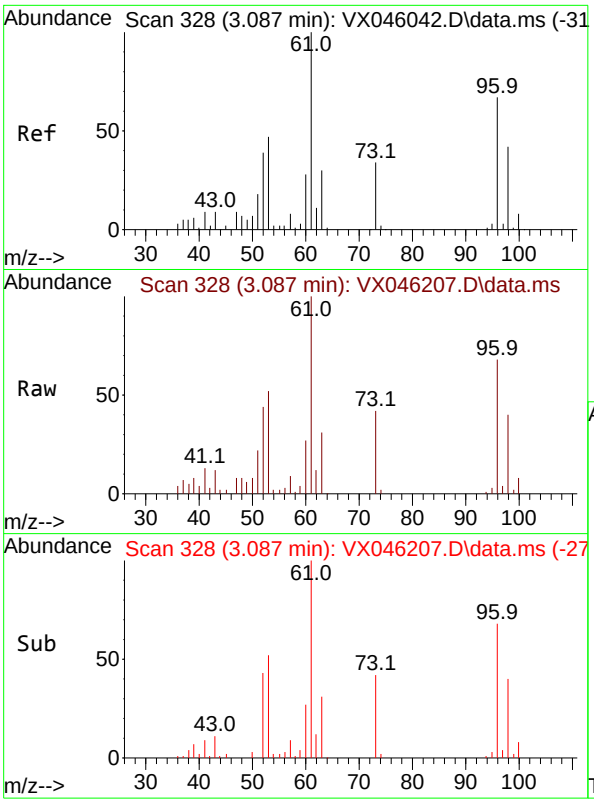


#20
Methylene Chloride
Concen: 18.685 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 84 Resp: 23134

Ion	Ratio	Lower	Upper
84	100		
49	132.8	113.9	170.9
51	41.3	33.5	50.3
86	65.7	53.8	80.8



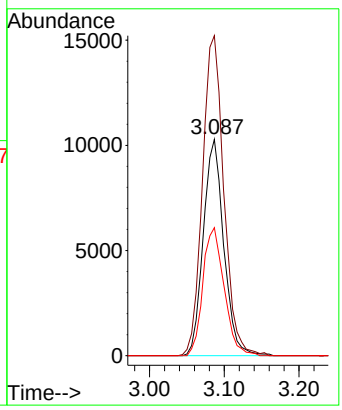


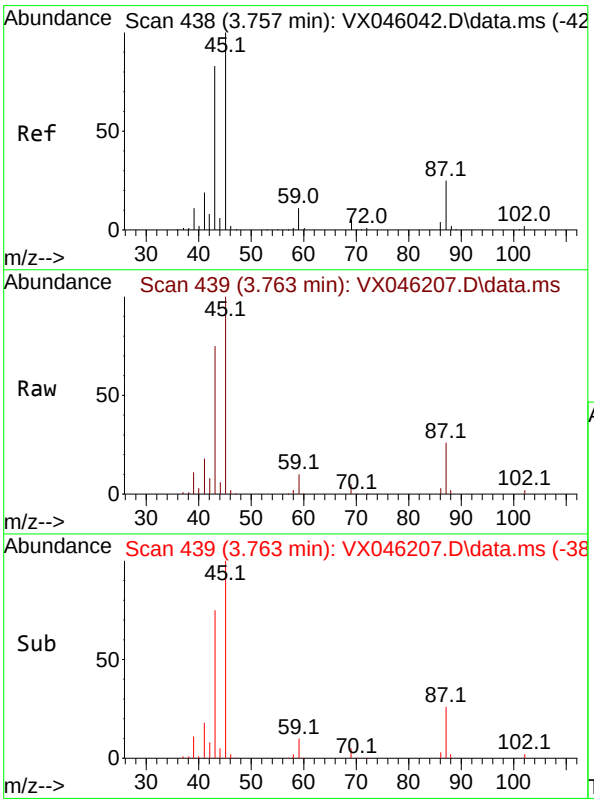
#21
trans-1,2-Dichloroethene
Concen: 18.994 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 96 Resp: 19577

Ion	Ratio	Lower	Upper
96	100		
61	147.9	119.5	179.3
98	59.2	50.0	75.0

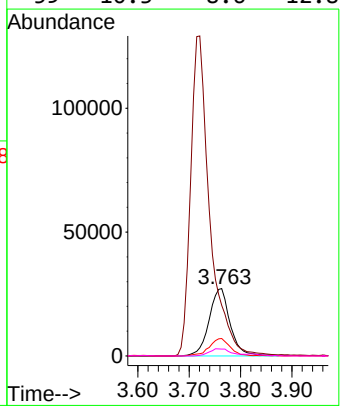


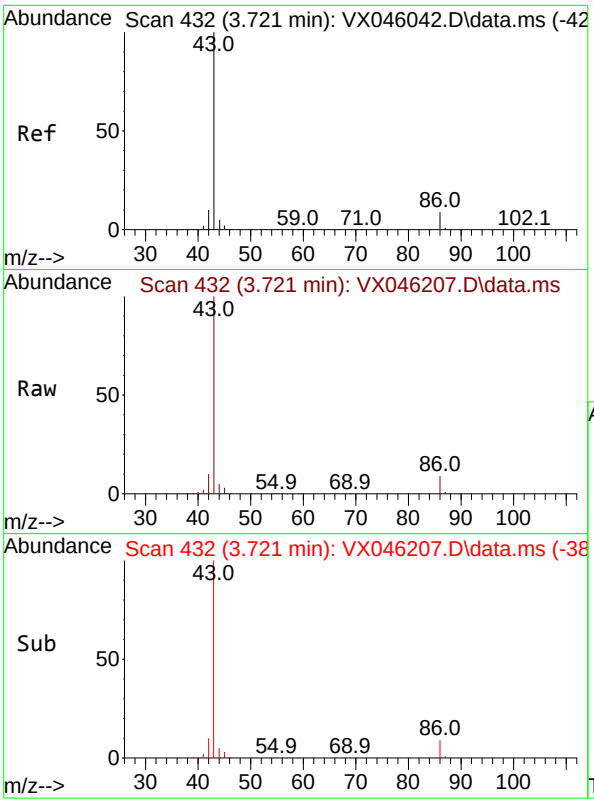


#22
Diisopropyl ether
Concen: 20.430 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 45 Resp: 77299

Ion	Ratio	Lower	Upper
45	100		
43	73.4	66.6	100.0
87	25.8	19.8	29.6
59	10.3	8.6	12.8



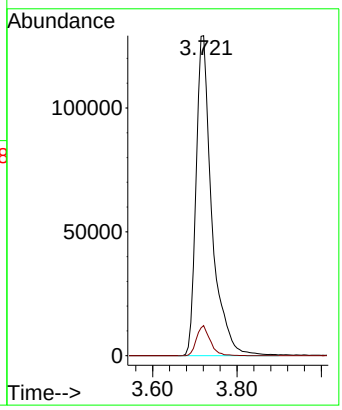


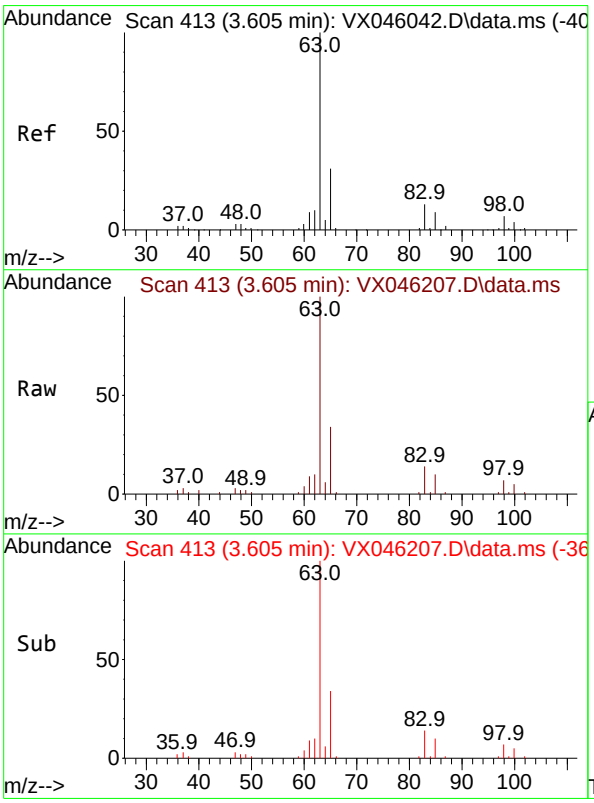
#23
Vinyl Acetate
Concen: 101.060 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 43 Resp: 336307

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

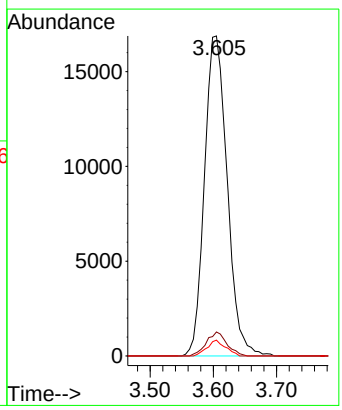


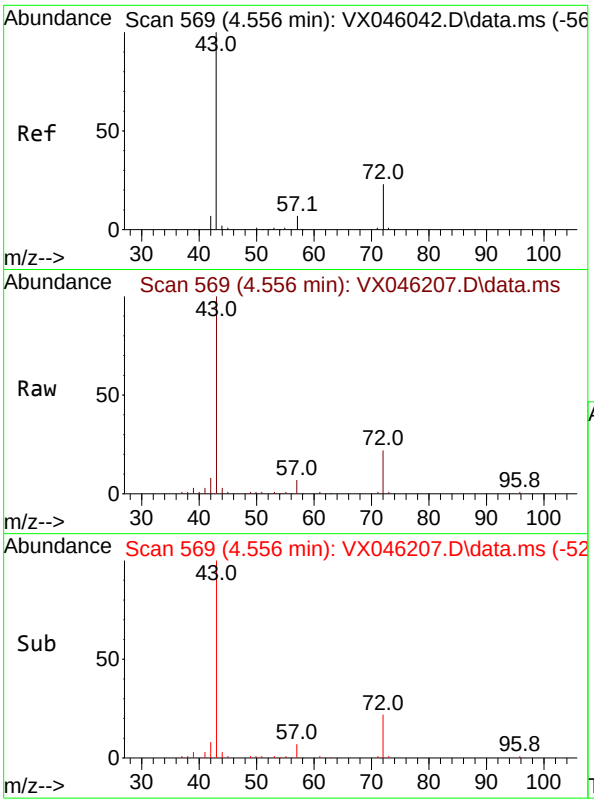


#24
1,1-Dichloroethane
Concen: 19.997 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 63 Resp: 42141

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	4.9	2.1	6.3



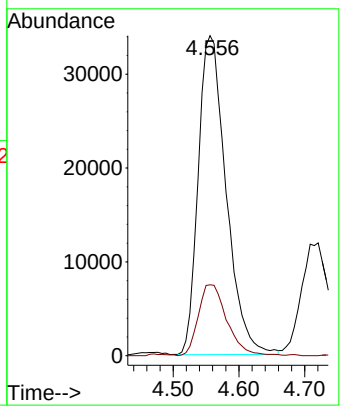


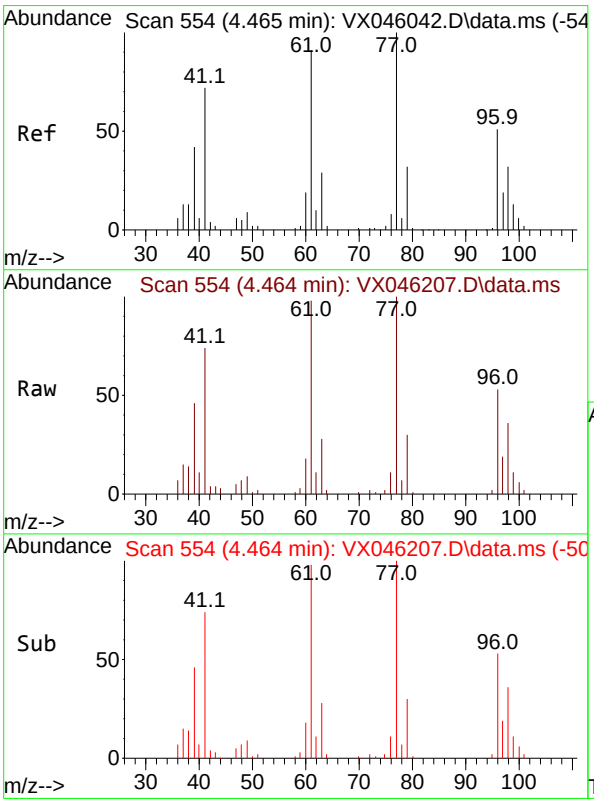
#25
2-Butanone
Concen: 106.836 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 43 Resp: 100211

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.4	27.6

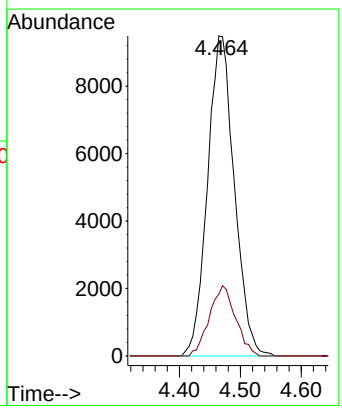


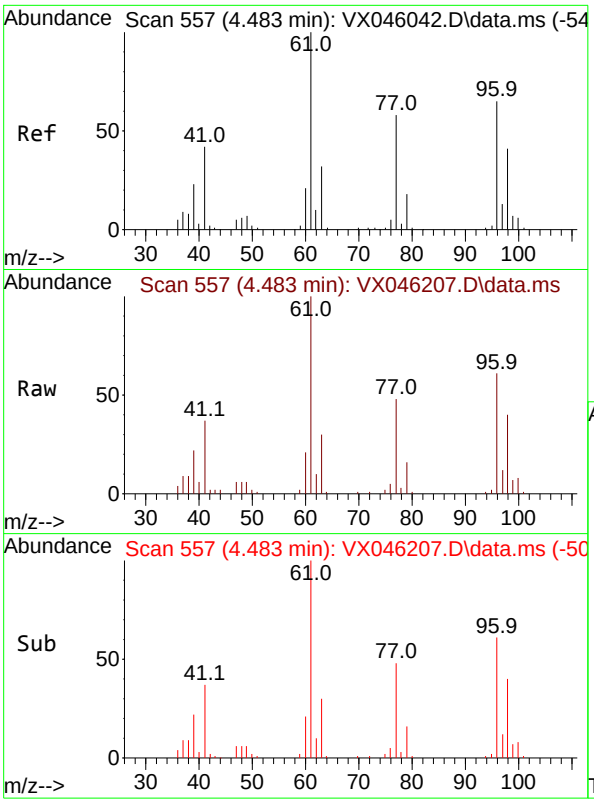


#26
2,2-Dichloropropane
Concen: 17.584 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 77 Resp: 29004

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.5	31.5



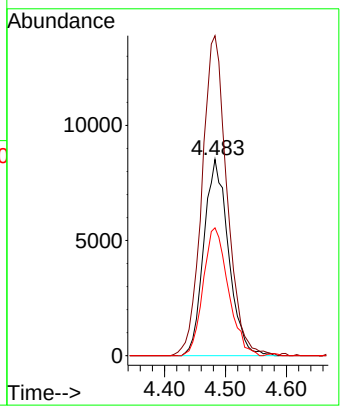


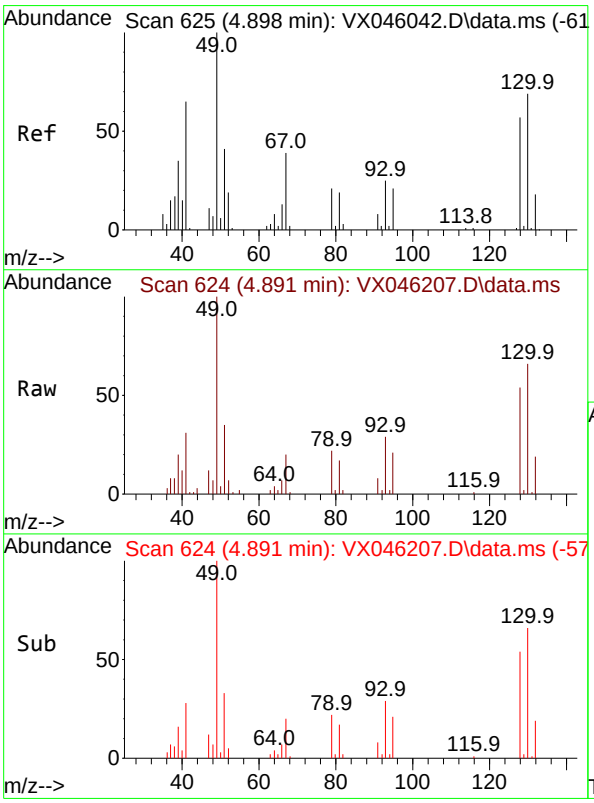
#27
cis-1,2-Dichloroethene
Concen: 19.348 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 96 Resp: 24006

Ion	Ratio	Lower	Upper
96	100		
61	165.2	0.0	322.8
98	66.2	0.0	129.0

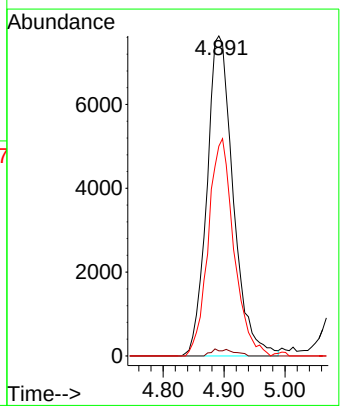


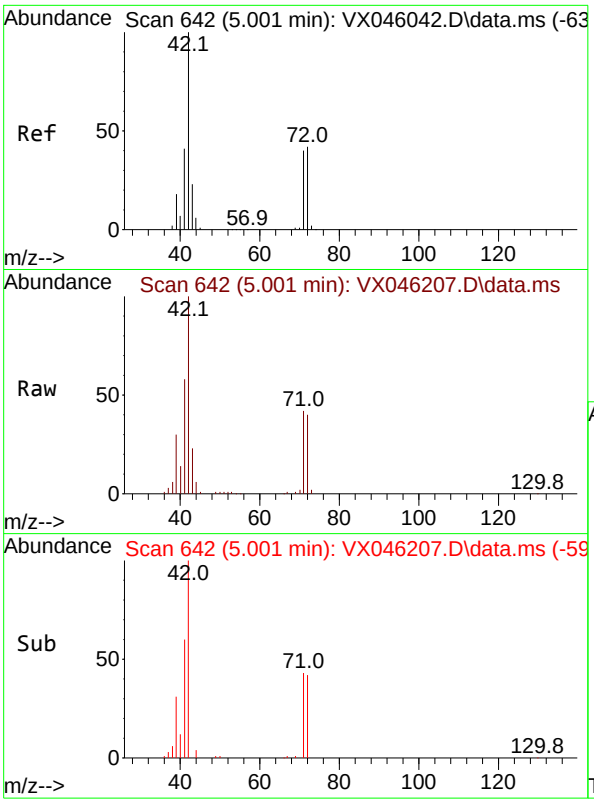


#28
Bromochloromethane
Concen: 22.602 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 49 Resp: 22927

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.0
130	66.1	56.2	84.2



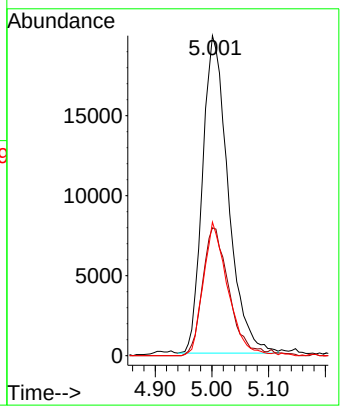


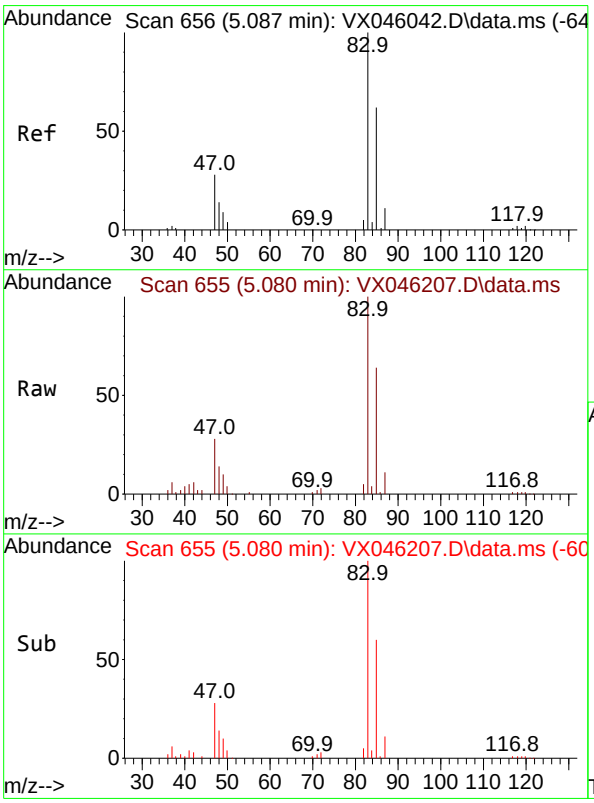
#29
Tetrahydrofuran
Concen: 106.483 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 42 Resp: 62587

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	40.0	31.4	47.2

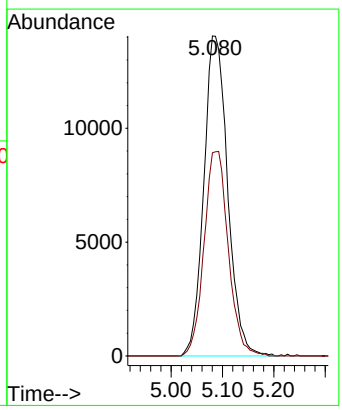


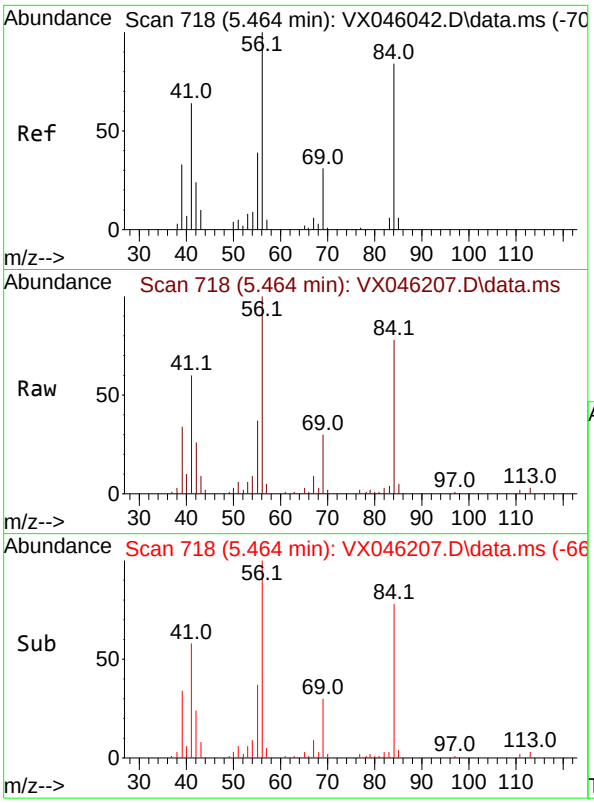


#30
Chloroform
Concen: 20.624 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 83 Resp: 45302

Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.3	73.9



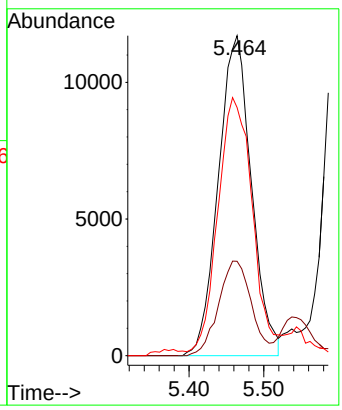


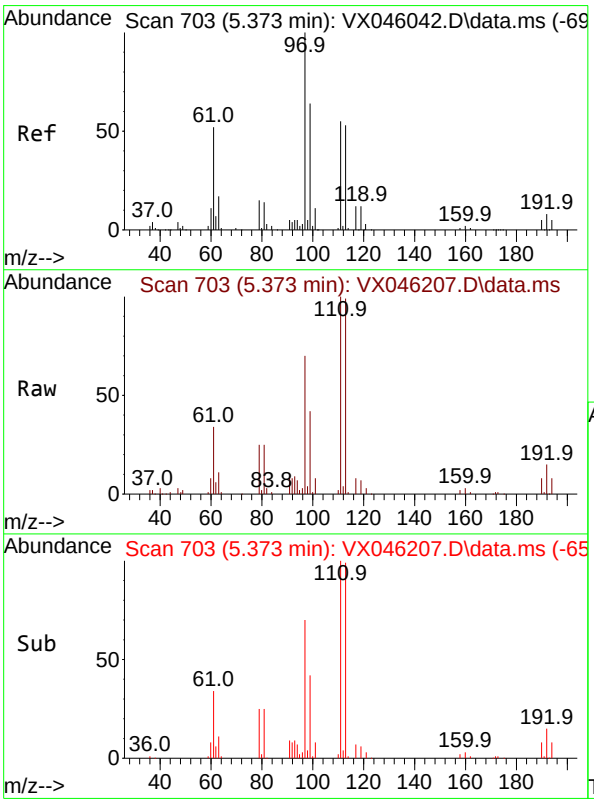
#31
Cyclohexane
Concen: 18.734 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 56 Resp: 35976

Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.4	36.6
84	76.2	66.9	100.3

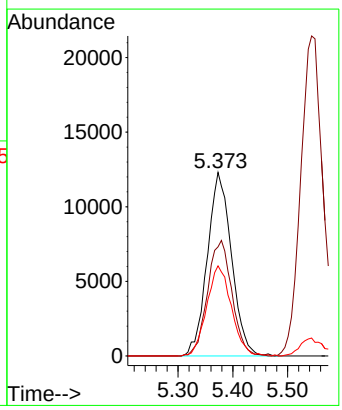


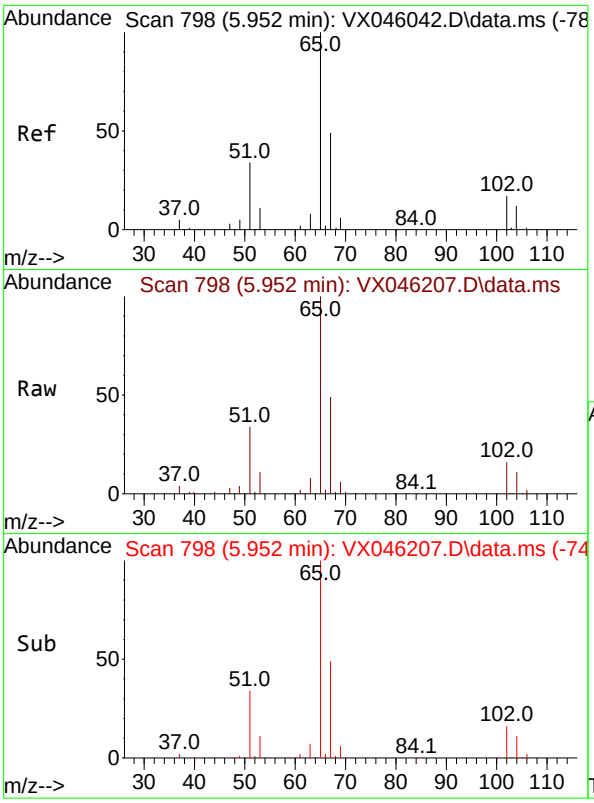


#32
1,1,1-Trichloroethane
Concen: 19.811 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 97 Resp: 37721

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.6
61	50.1	40.1	60.1



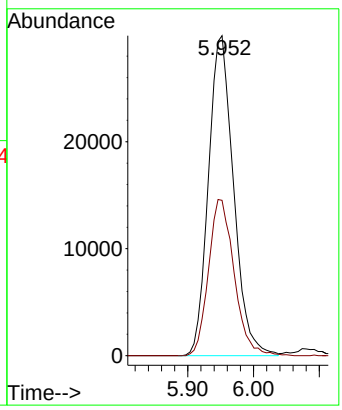


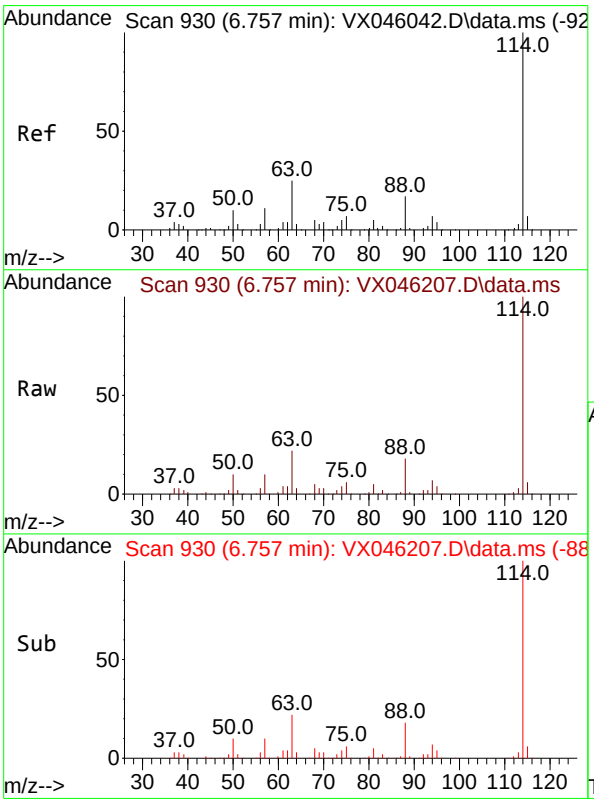
#33
1,2-Dichloroethane-d4
Concen: 49.367 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 65 Resp: 79550

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0

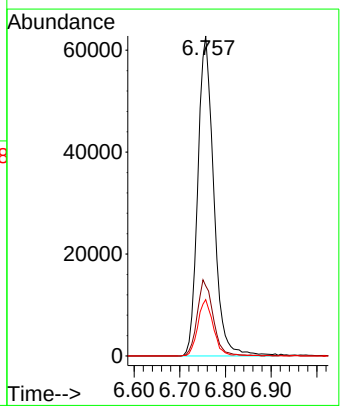


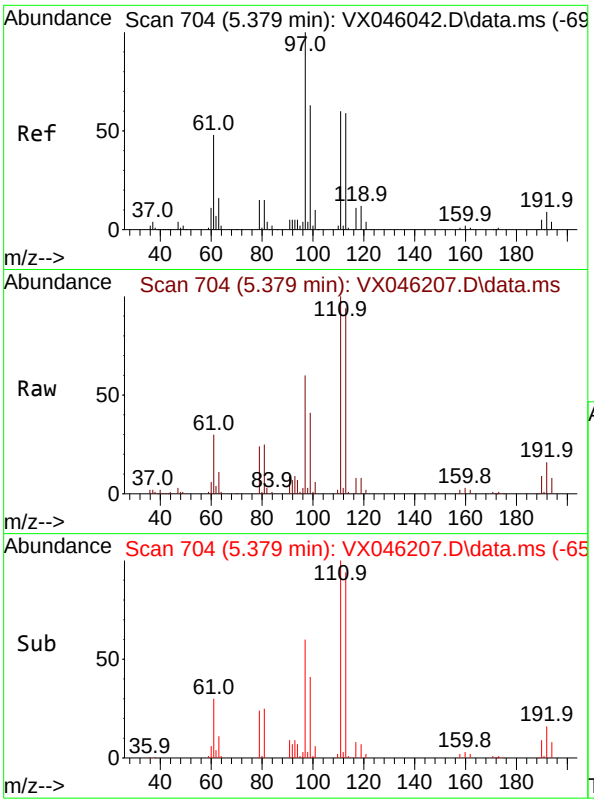


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:114 Resp: 151750

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	49.2
88	17.6	0.0	33.6



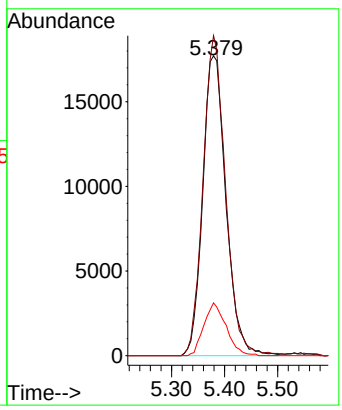


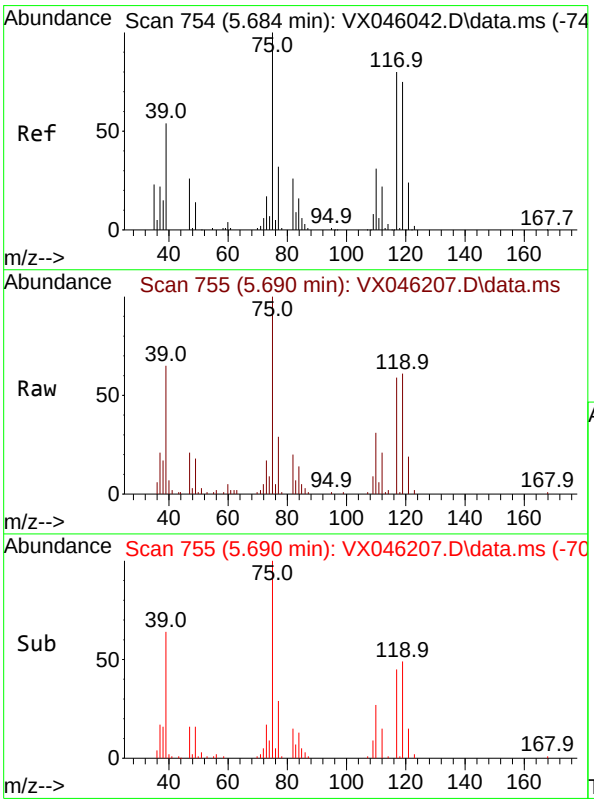
#35
Dibromofluoromethane
Concen: 49.295 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:113 Resp: 53868

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.1	124.7
192	16.9	13.3	19.9

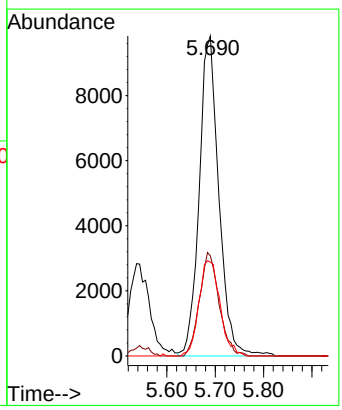


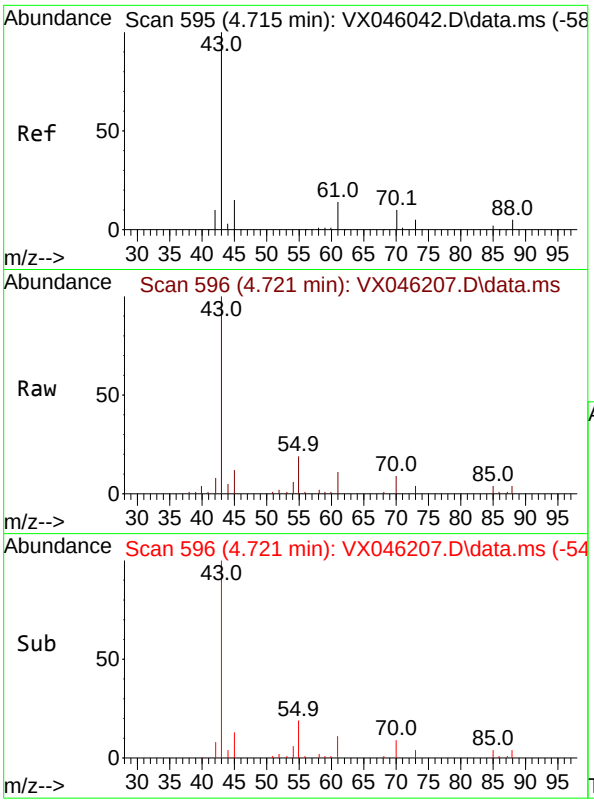


#36
1,1-Dichloropropene
Concen: 18.908 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 27762

Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.3	48.9
77	31.9	24.3	36.5



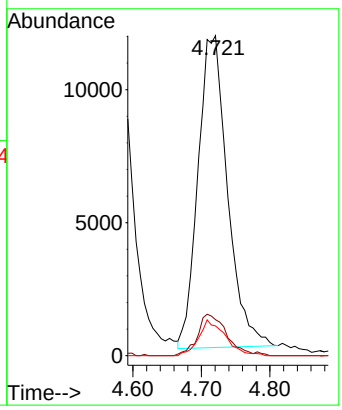


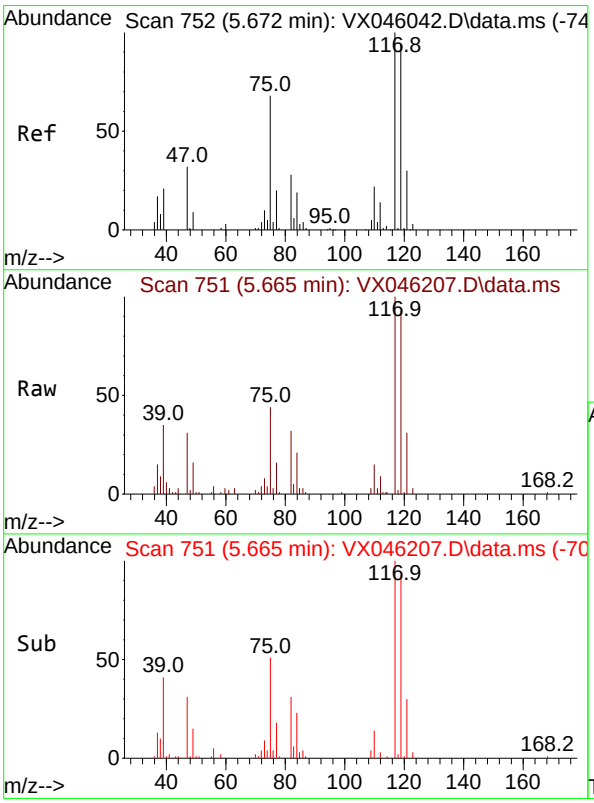
#37
Ethyl Acetate
Concen: 19.386 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 43 Resp: 35167

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	10.4	7.9	11.9

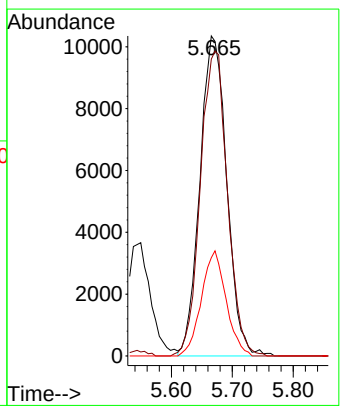


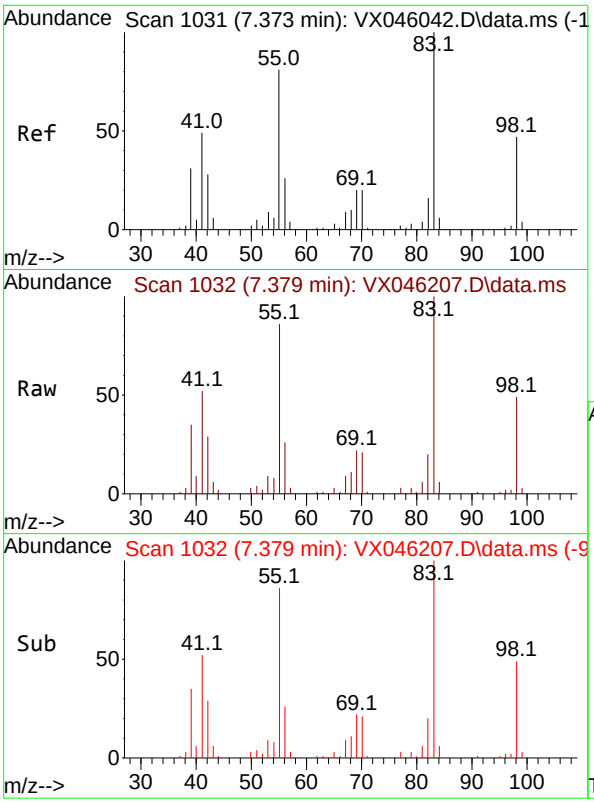


#38
Carbon Tetrachloride
Concen: 19.192 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:117 Resp: 31661

Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.2	112.8
121	30.7	24.2	36.4



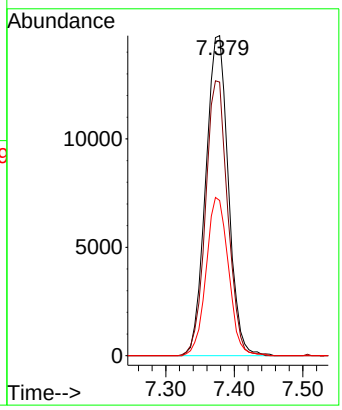


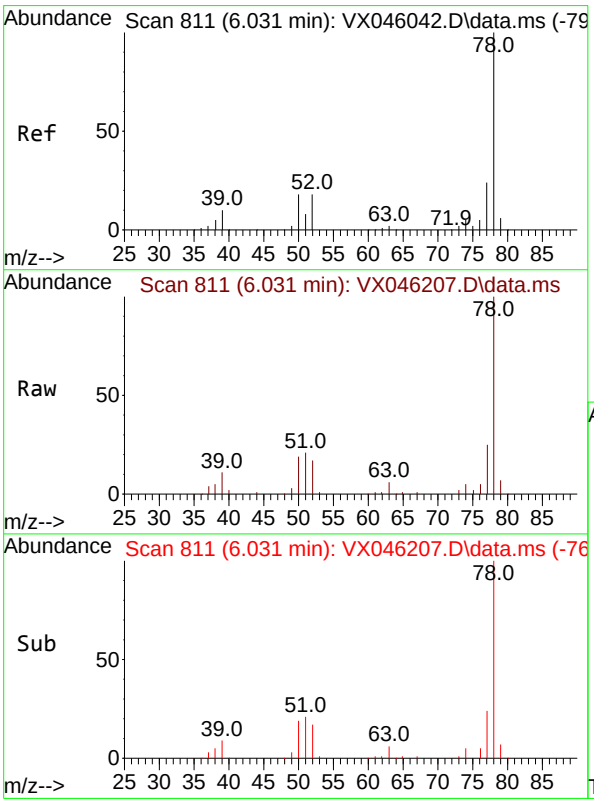
#39
Methylcyclohexane
Concen: 17.899 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 83 Resp: 33833

Ion	Ratio	Lower	Upper
83	100		
55	85.5	64.7	97.1
98	48.5	37.4	56.2

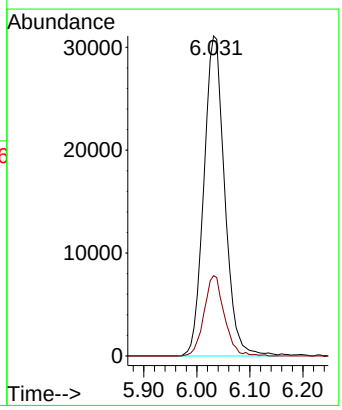


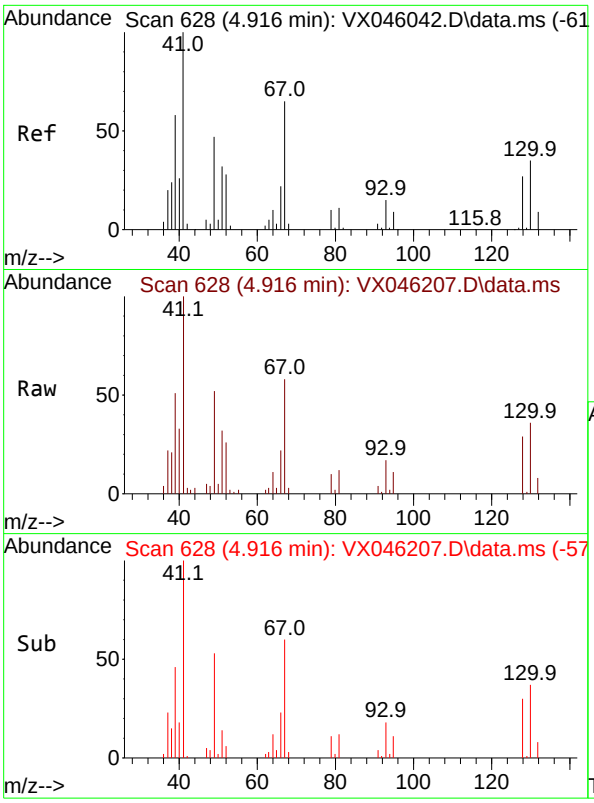


#40
Benzene
Concen: 19.727 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 78 Resp: 84839

Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.4



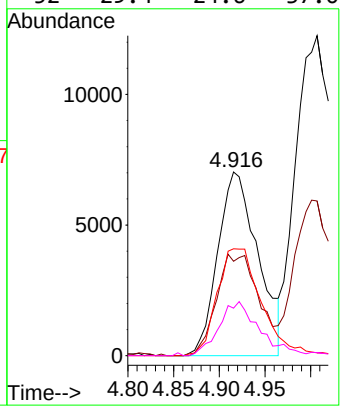


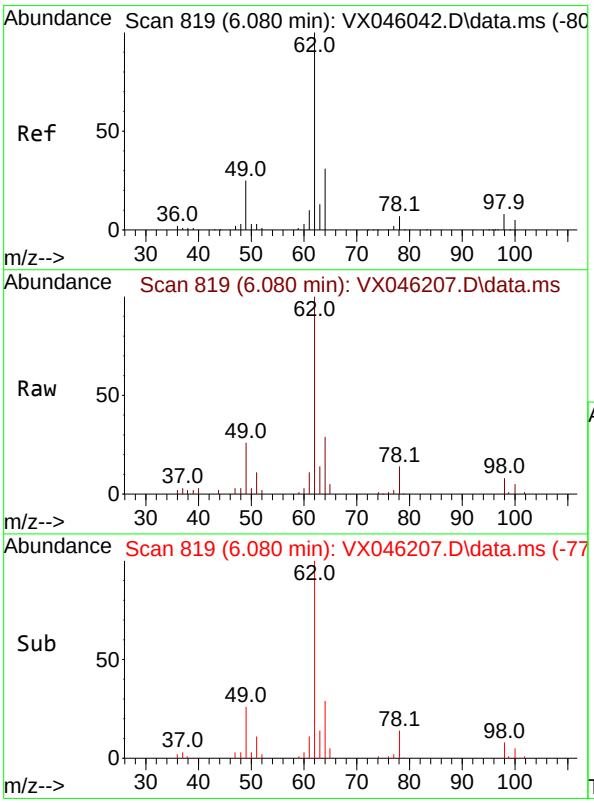
#41
Methacrylonitrile
Concen: 22.697 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 41 Resp: 21538

Ion	Ratio	Lower	Upper
41	100		
39	56.7	47.2	70.8
67	64.2	50.7	76.1
52	29.4	24.6	37.0

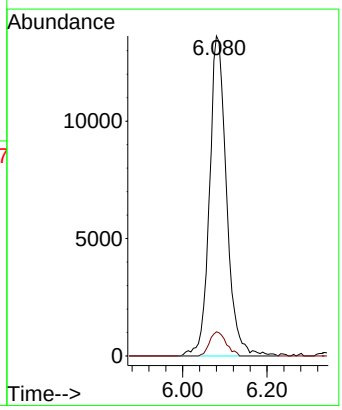


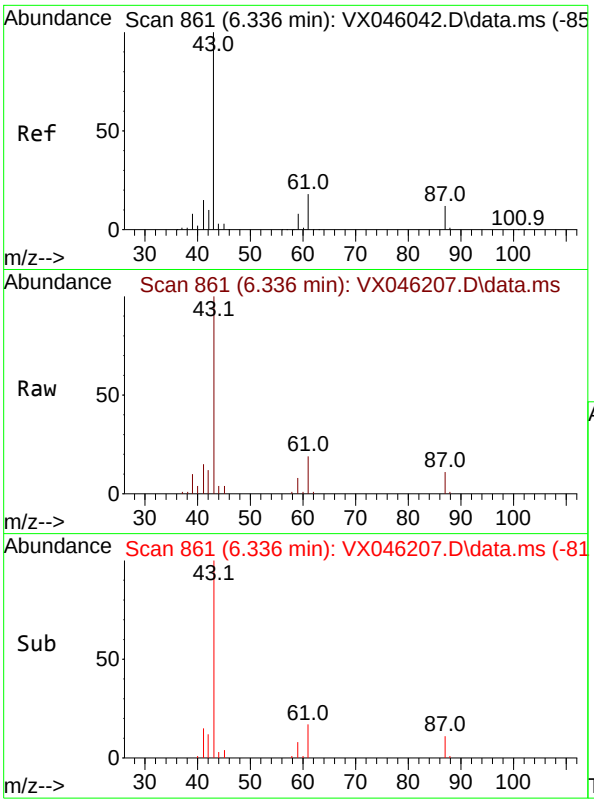


#42
1,2-Dichloroethane
Concen: 20.671 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 62 Resp: 38367

Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.2



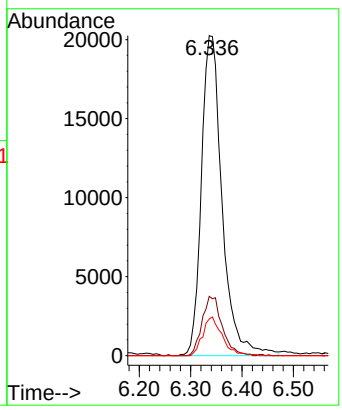


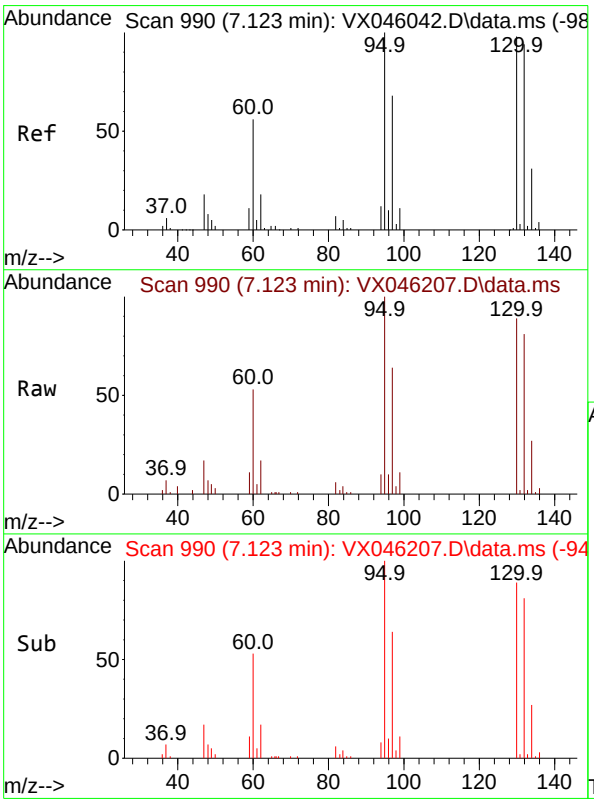
#43
Isopropyl Acetate
Concen: 20.488 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 43 Resp: 56698

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.4	9.5	14.3

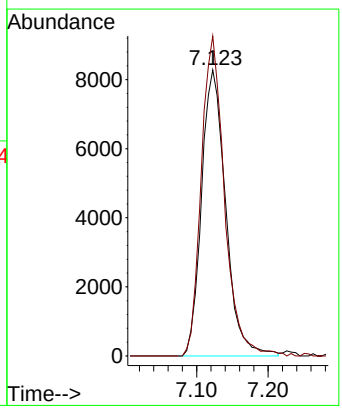


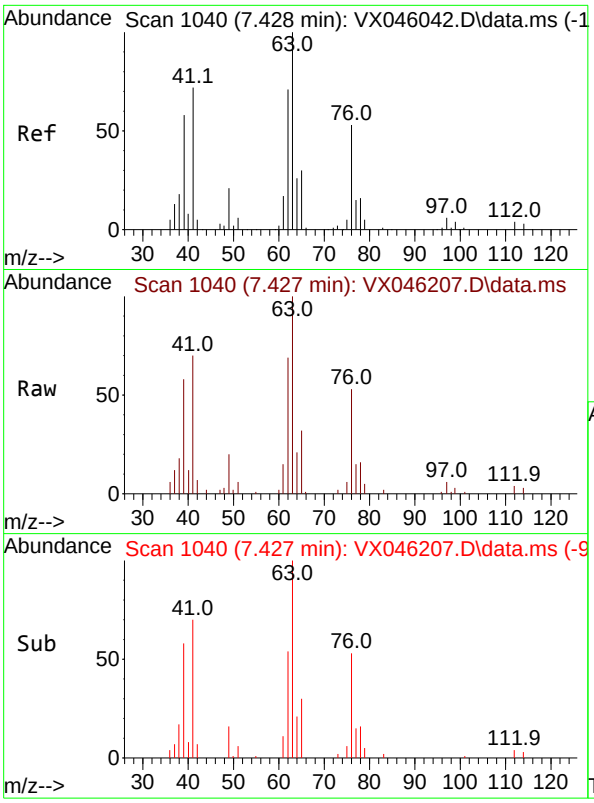


#44
Trichloroethene
Concen: 18.771 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:130 Resp: 19429

Ion	Ratio	Lower	Upper
130	100		
95	111.9	0.0	204.2



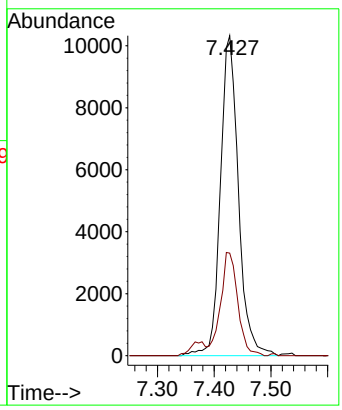


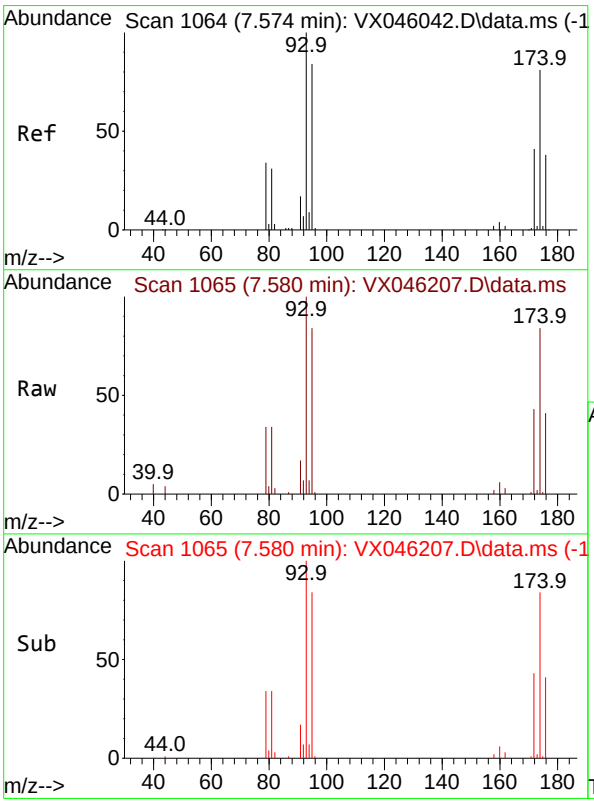
#45
1,2-Dichloropropane
Concen: 21.279 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 63 Resp: 22755

Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.1	36.1

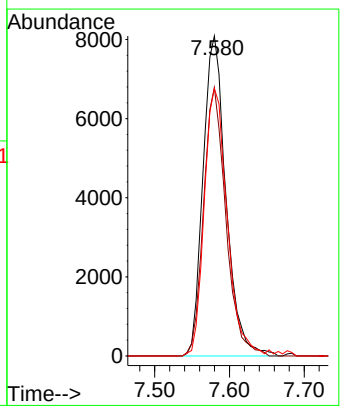


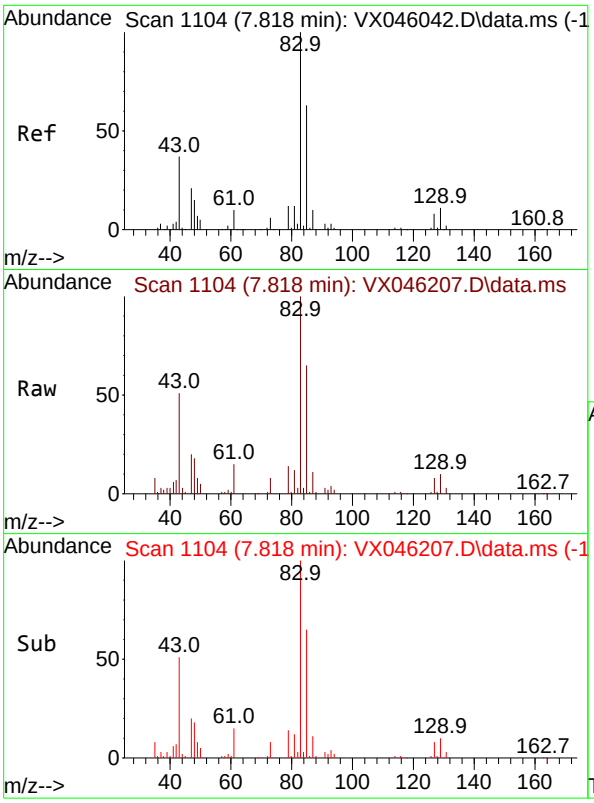


#46
Dibromomethane
Concen: 20.419 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 93 Resp: 17222

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.6	98.4
174	83.7	68.2	102.2



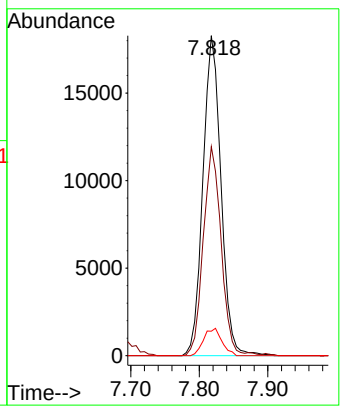


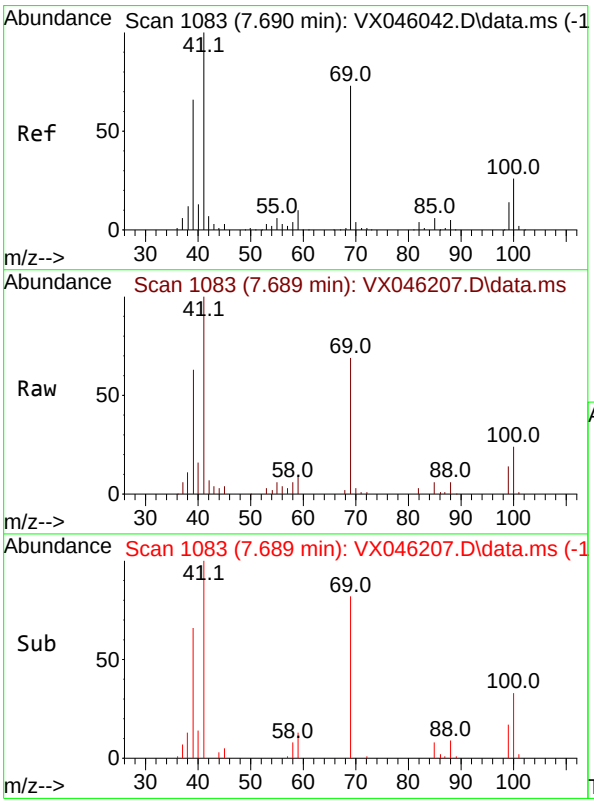
#47
Bromodichloromethane
Concen: 20.256 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 83 Resp: 33648

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.5	75.7
127	7.6	6.5	9.7

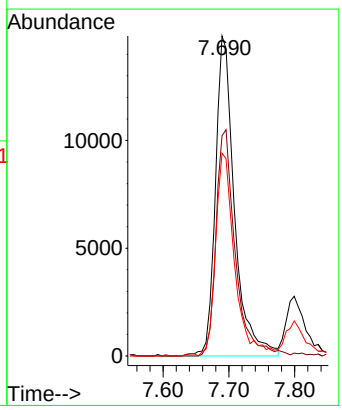


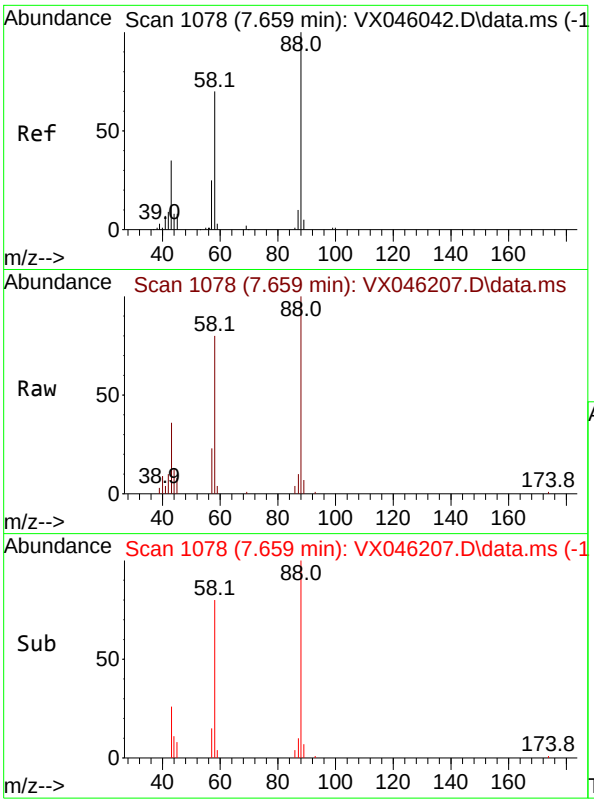


#48
Methyl methacrylate
Concen: 21.183 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 41 Resp: 29938

Ion	Ratio	Lower	Upper
41	100		
69	71.2	58.5	87.7
39	63.2	51.7	77.5



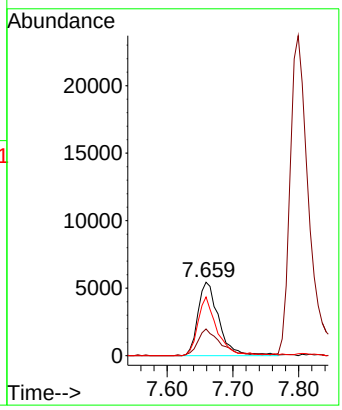


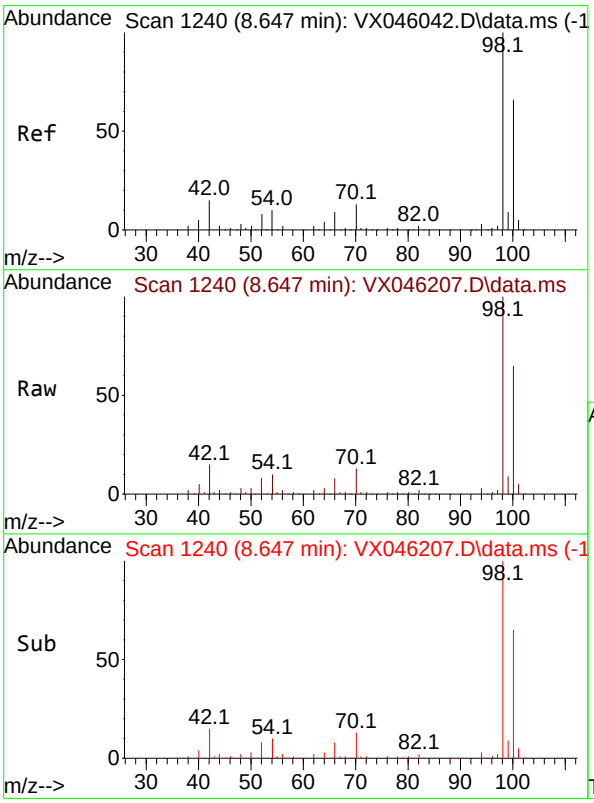
#49
1,4-Dioxane
Concen: 447.250 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 88 Resp: 12002

Ion	Ratio	Lower	Upper
88	100		
43	41.0	33.4	50.2
58	72.1	58.6	88.0

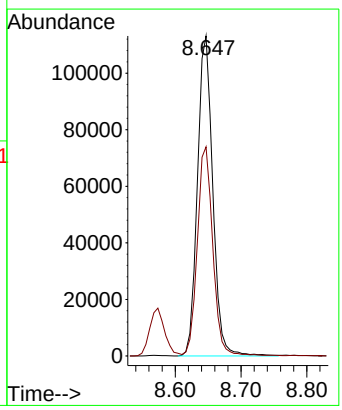


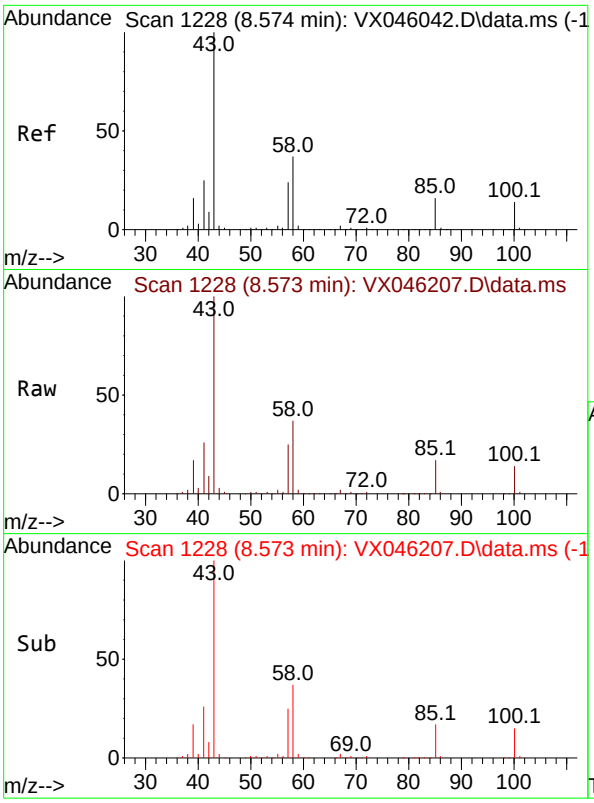


#50
Toluene-d8
Concen: 48.467 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 98 Resp: 183312

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3



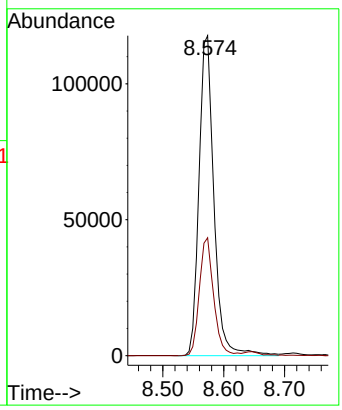


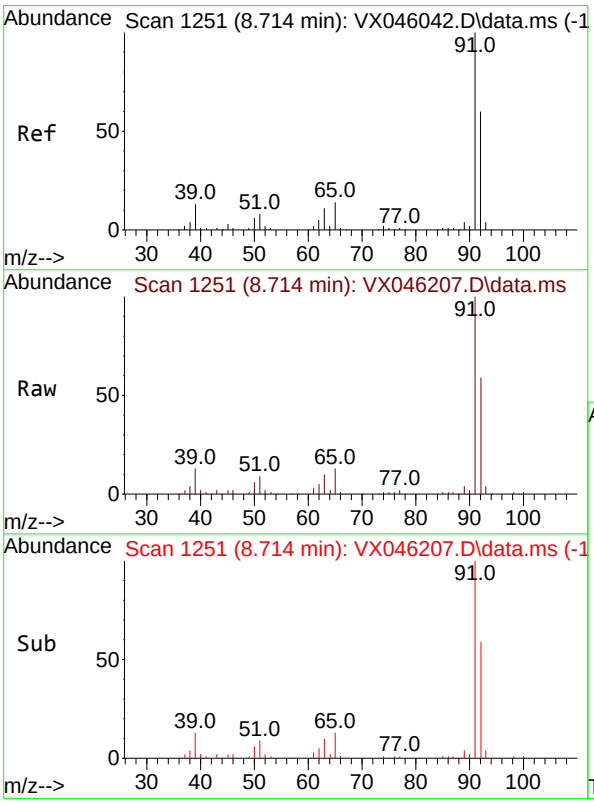
#51
4-Methyl-2-Pentanone
Concen: 109.281 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 43 Resp: 200742

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.9	43.3

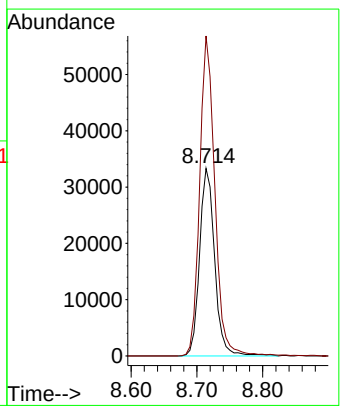


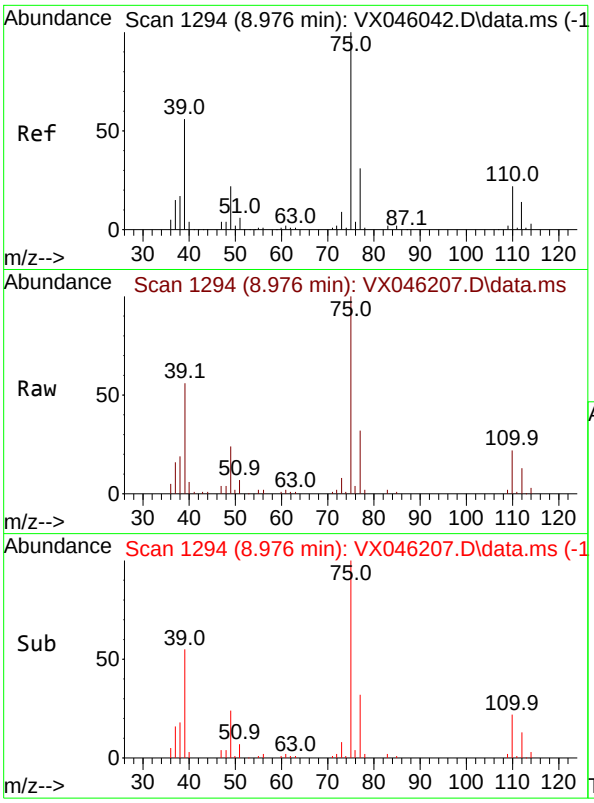


#52
Toluene
Concen: 20.145 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 92 Resp: 53123

Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.6	205.0



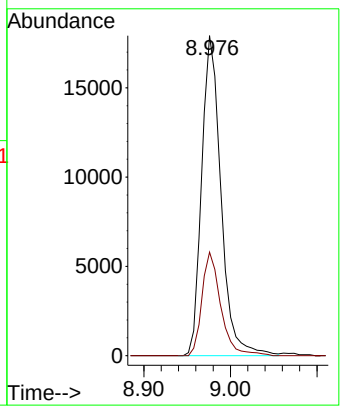


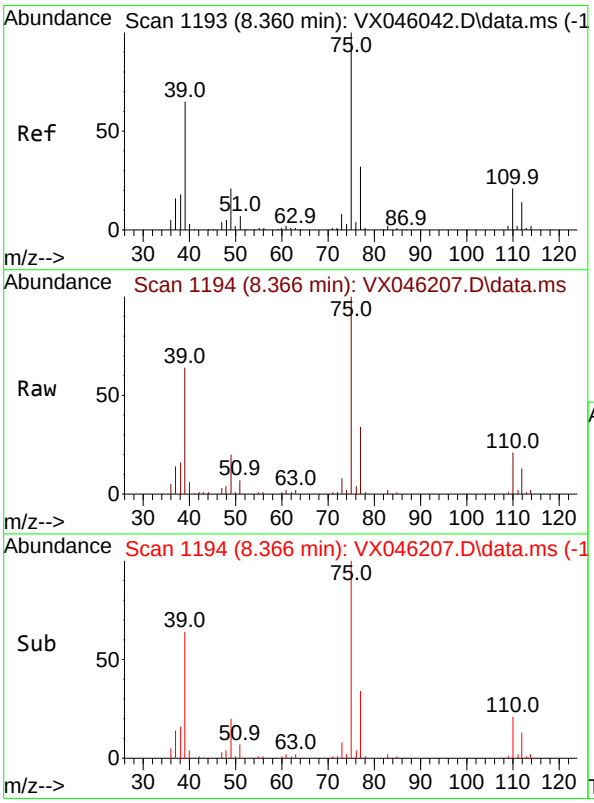
#53
t-1,3-Dichloropropene
Concen: 18.826 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 75 Resp: 27797

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6

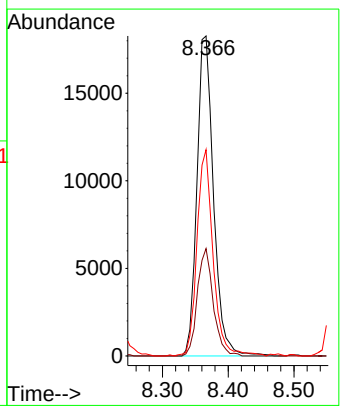


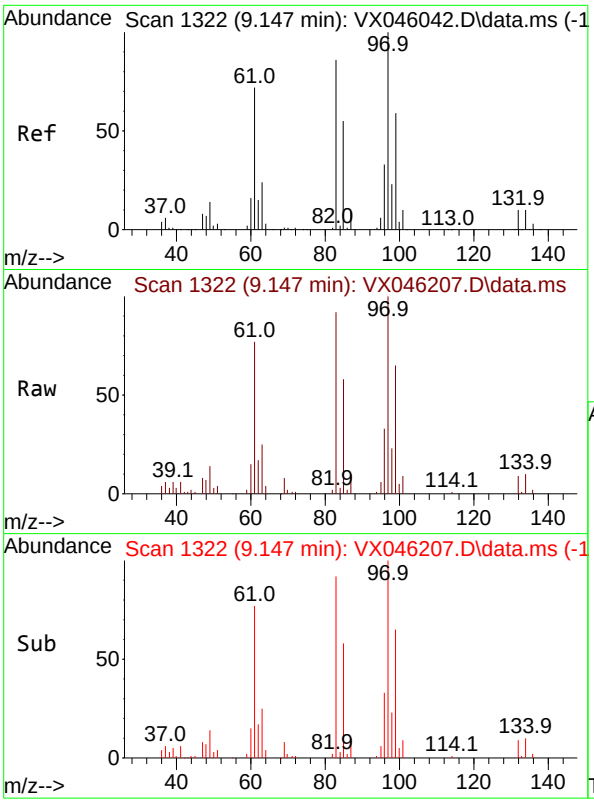


#54
cis-1,3-Dichloropropene
Concen: 19.613 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 32007

Ion	Ratio	Lower	Upper
75	100		
77	33.6	25.4	38.0
39	64.1	52.2	78.4



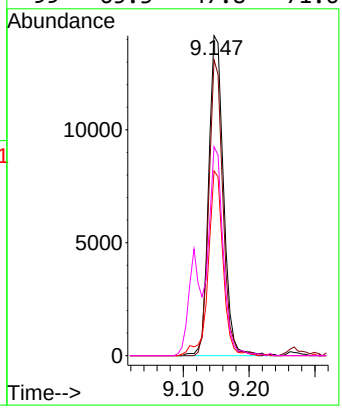


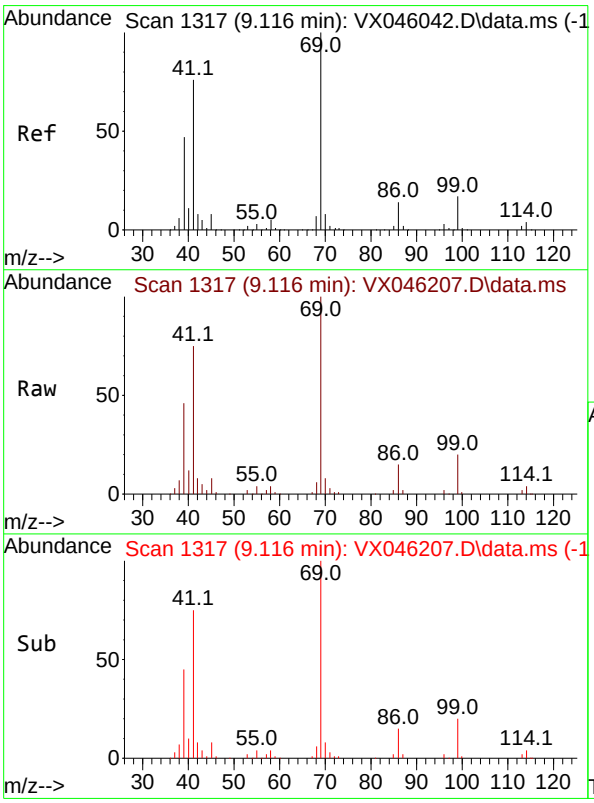
#55
1,1,2-Trichloroethane
Concen: 21.457 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 97 Resp: 22311

Ion	Ratio	Lower	Upper
97	100		
83	92.5	69.0	103.6
85	57.7	44.3	66.5
99	65.3	47.8	71.6

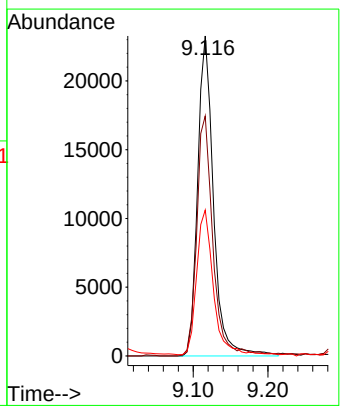


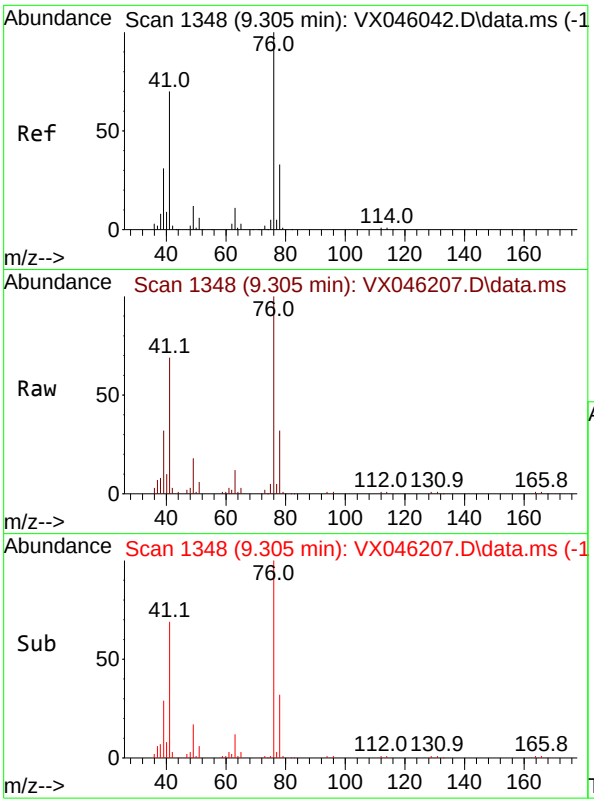


#56
Ethyl methacrylate
Concen: 20.651 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 69 Resp: 34224

Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.8	91.2
39	47.8	39.0	58.6



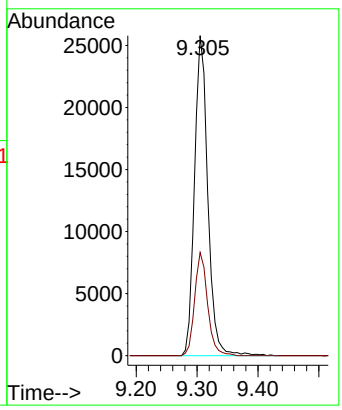


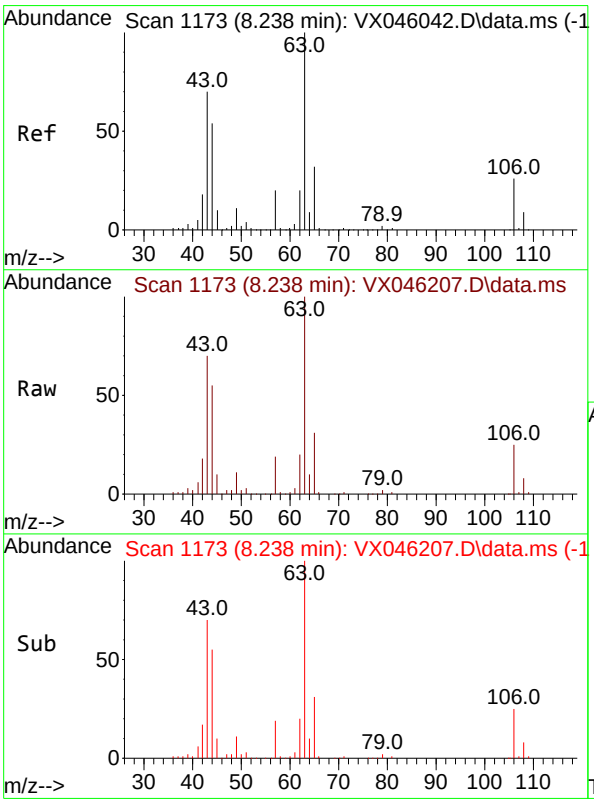
#57
1,3-Dichloropropane
Concen: 20.915 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 76 Resp: 39056

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

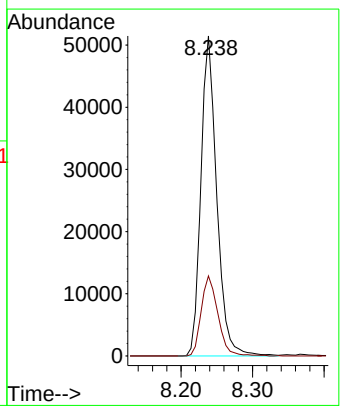


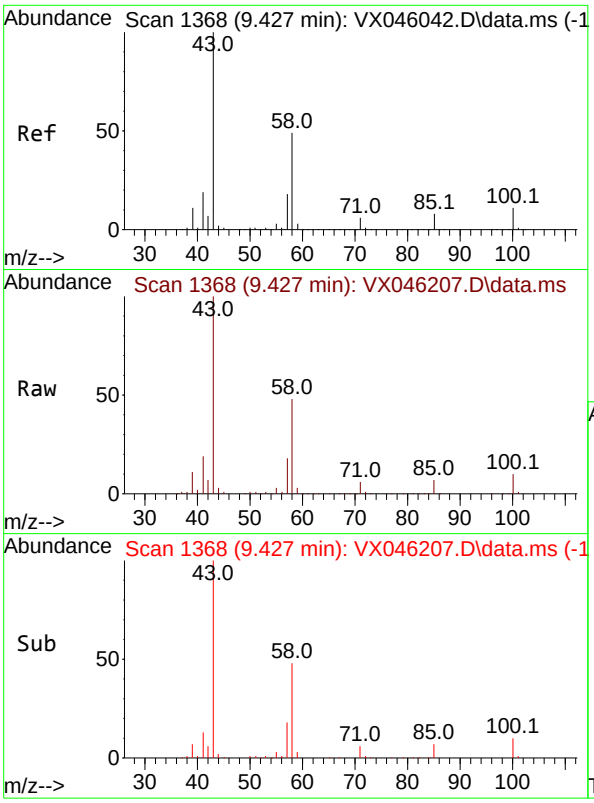


#58
2-Chloroethyl Vinyl ether
Concen: 93.730 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 63 Resp: 79190

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.5	32.3



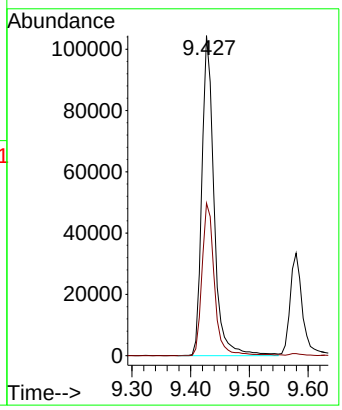


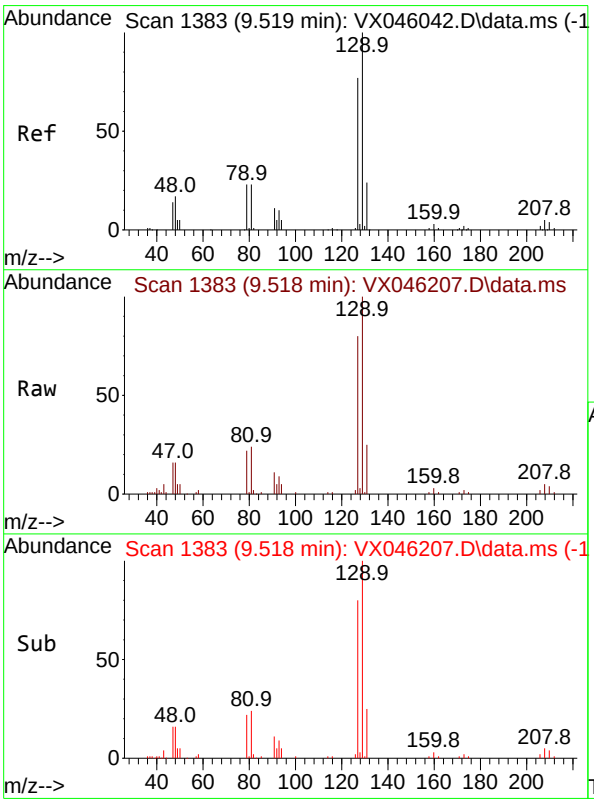
#59
2-Hexanone
Concen: 110.872 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 43 Resp: 150679

Ion	Ratio	Lower	Upper
43	100		
58	48.6	24.9	74.6

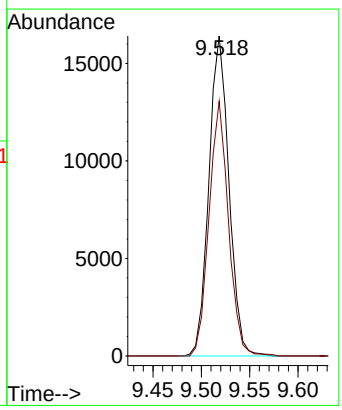


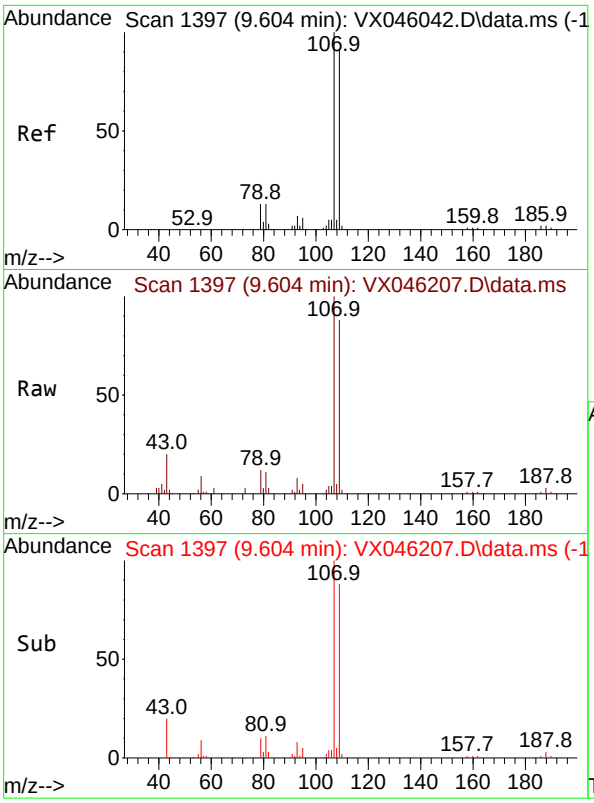


#60
Dibromochloromethane
Concen: 20.723 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:129 Resp: 23664

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8



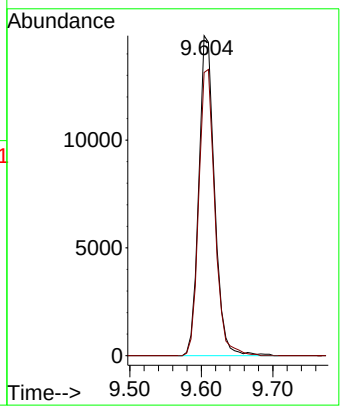


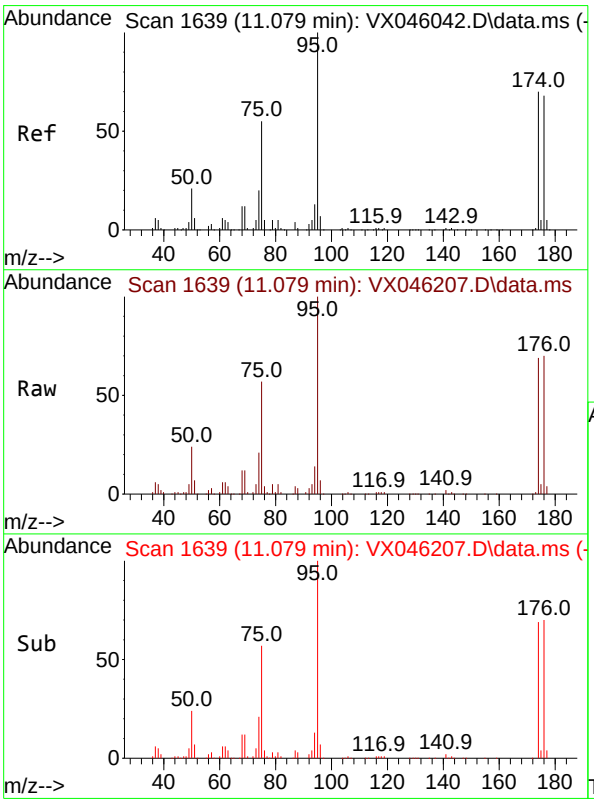
#61
1,2-Dibromoethane
Concen: 21.032 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:107 Resp: 22730

Ion	Ratio	Lower	Upper
107	100		
109	91.5	73.3	109.9

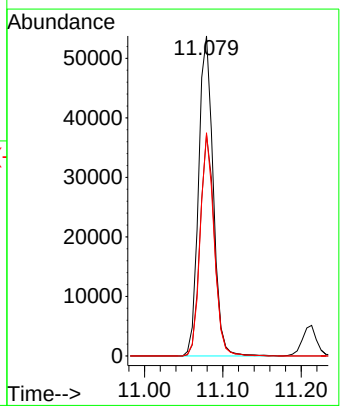


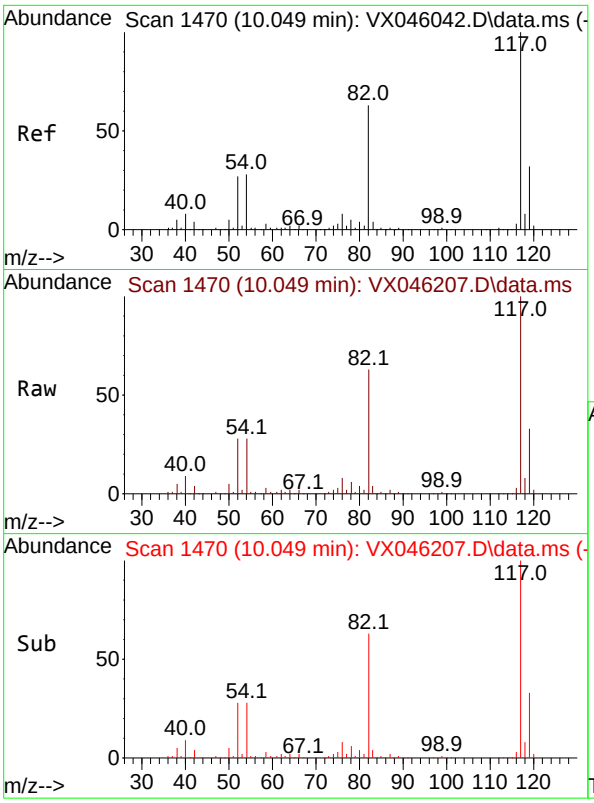


#62
4-Bromofluorobenzene
Concen: 47.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 95 Resp: 69470

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	135.8
176	66.0	0.0	131.4



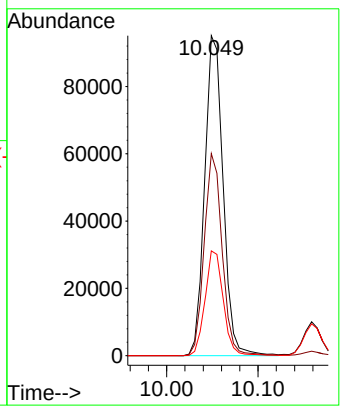


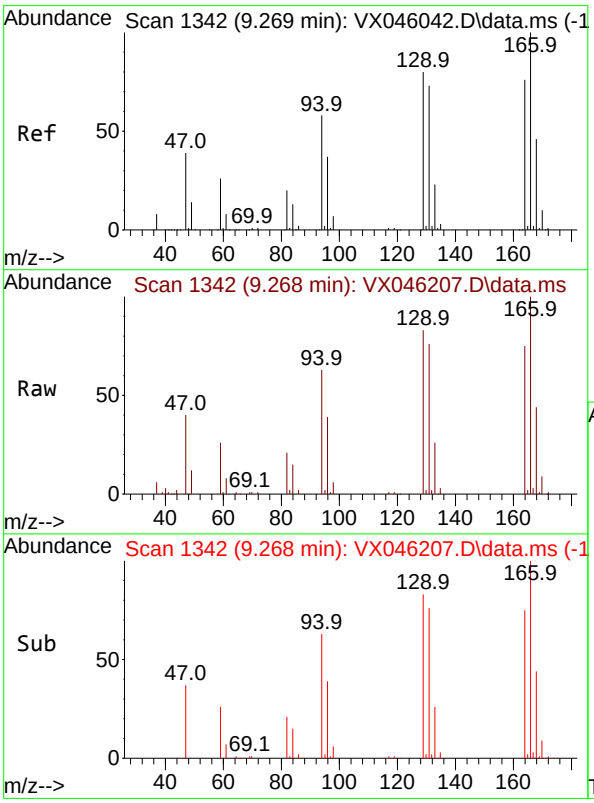
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:117 Resp: 132818

Ion	Ratio	Lower	Upper
117	100		
82	63.1	50.6	76.0
119	32.8	25.8	38.6

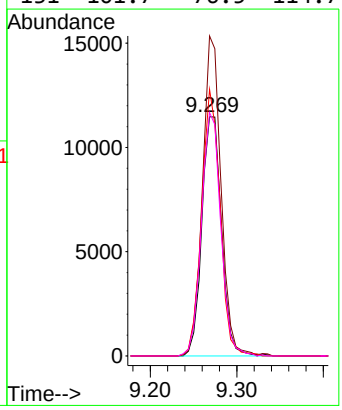


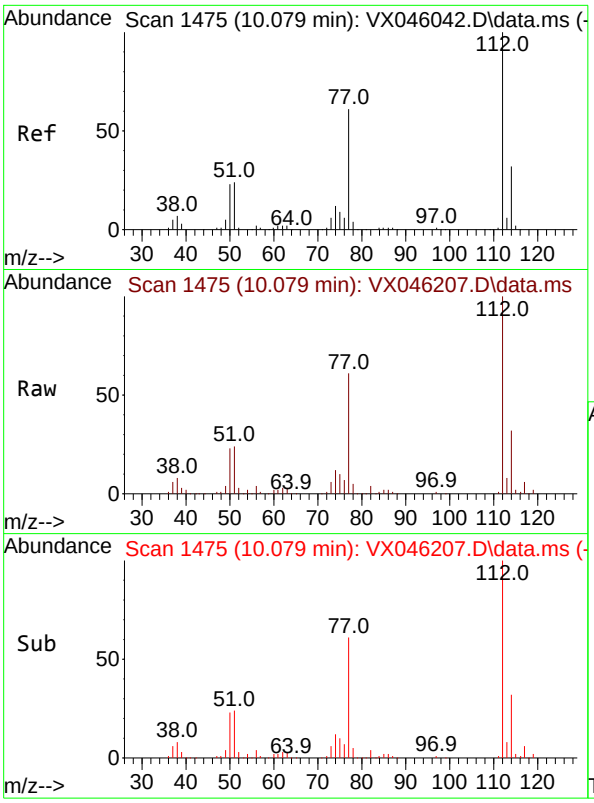


#64
Tetrachloroethene
Concen: 19.250 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:164 Resp: 18090

Ion	Ratio	Lower	Upper
164	100		
166	133.8	105.0	157.6
129	111.4	83.5	125.3
131	101.7	76.5	114.7



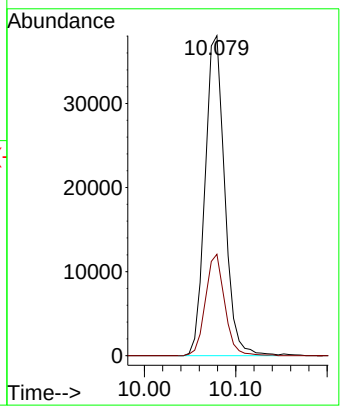


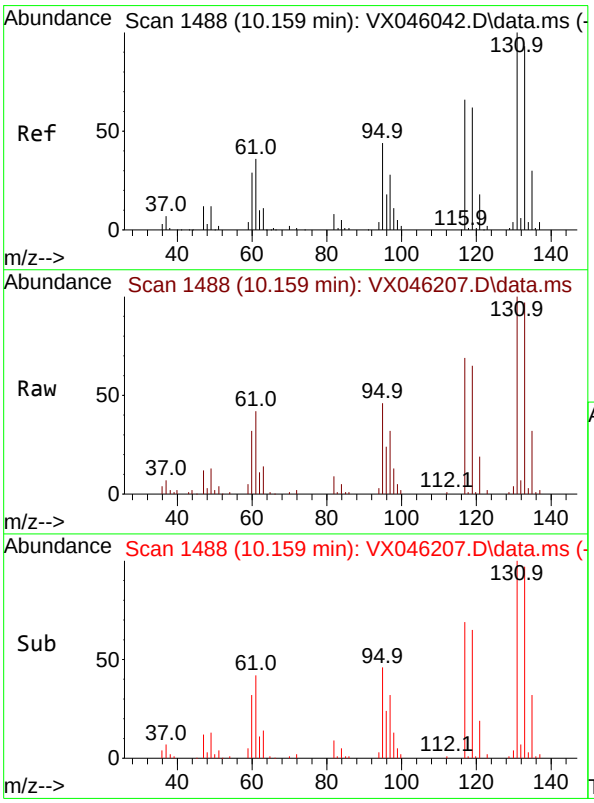
#65
Chlorobenzene
Concen: 19.464 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:112 Resp: 56584

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2

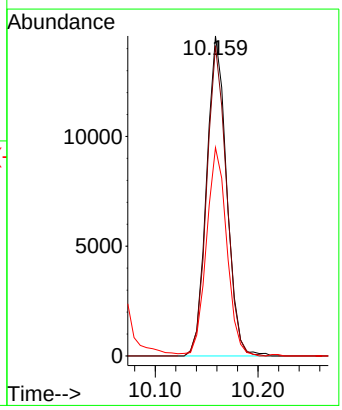


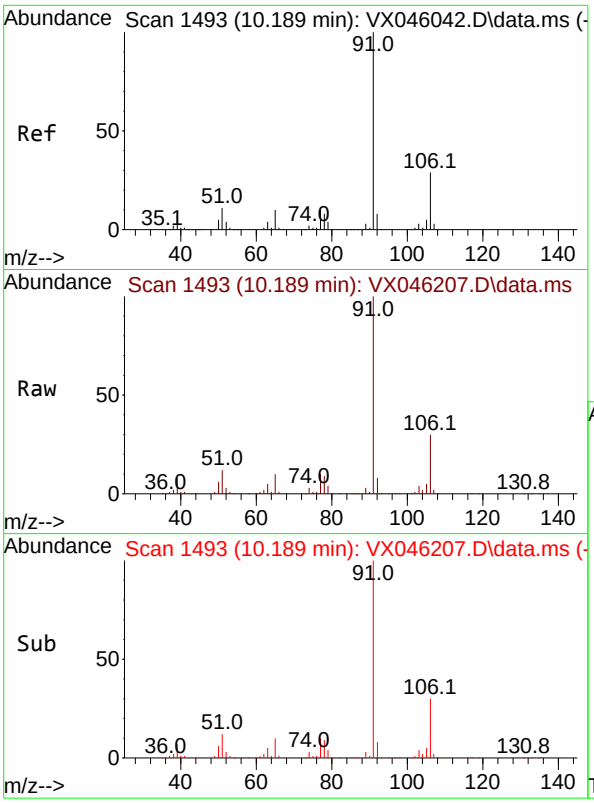


#66
1,1,1,2-Tetrachloroethane
Concen: 19.891 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:131 Resp: 19745

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	66.1	31.6	95.0



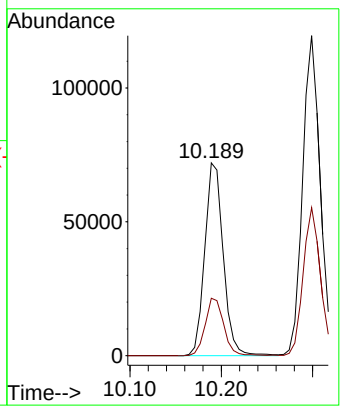


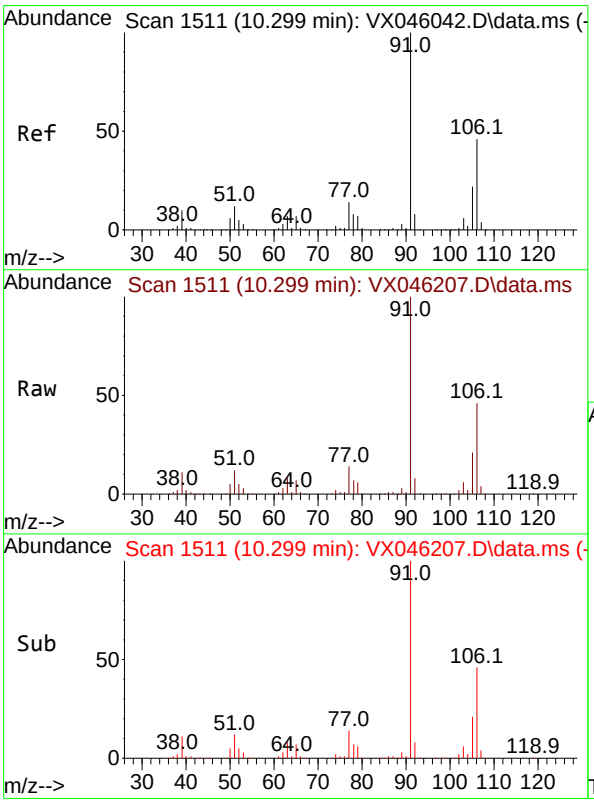
#67
Ethyl Benzene
Concen: 19.726 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 91 Resp: 101083

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.4	35.2

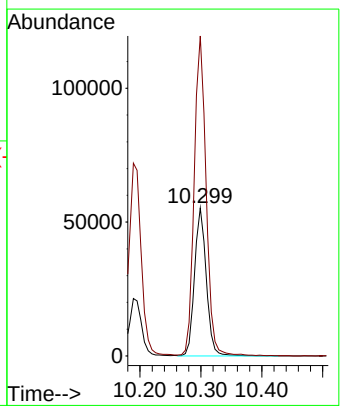


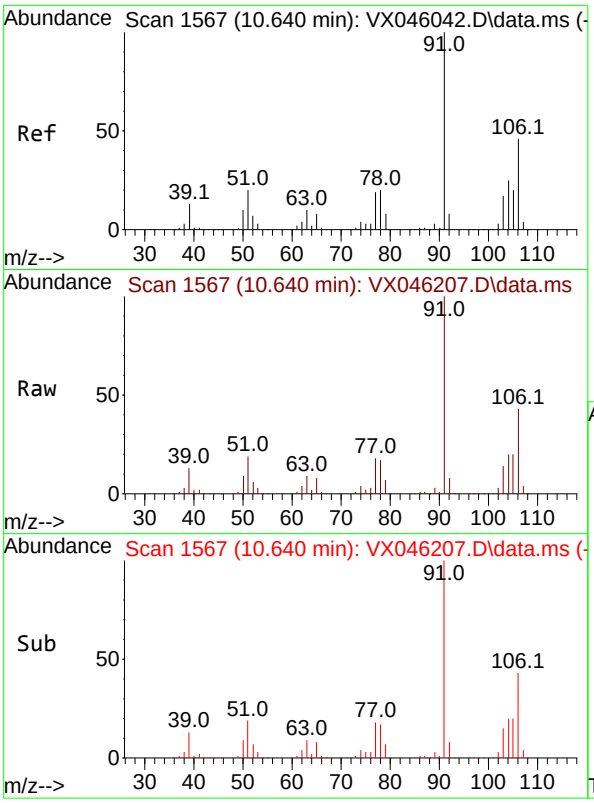


#68
m/p-Xylenes
Concen: 39.551 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:106 Resp: 74126

Ion	Ratio	Lower	Upper
106	100		
91	218.2	171.2	256.8



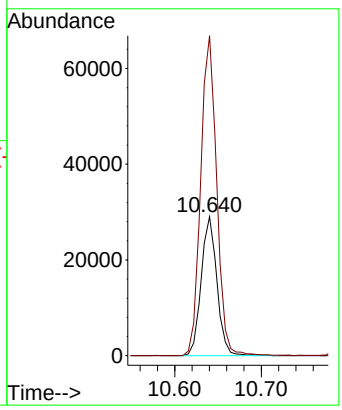


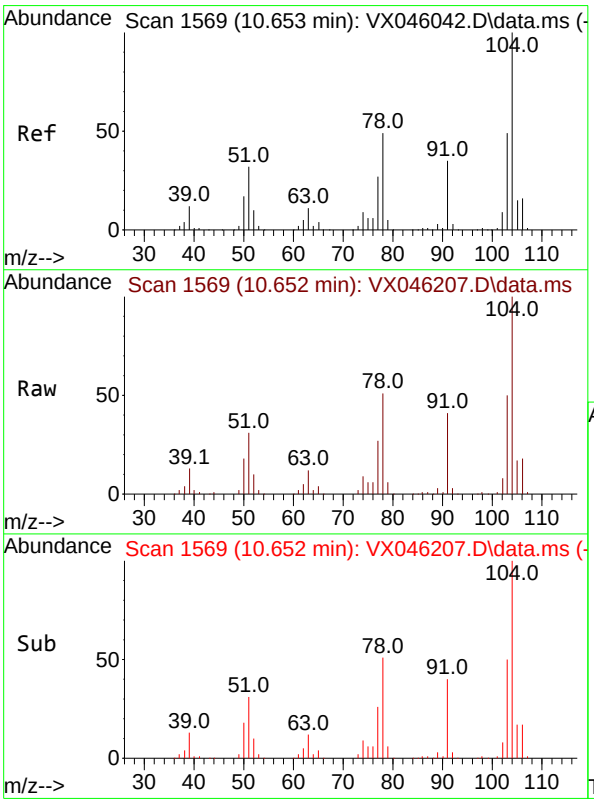
#69
o-Xylene
Concen: 20.034 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:106 Resp: 36605

Ion	Ratio	Lower	Upper
106	100		
91	234.6	112.7	338.1

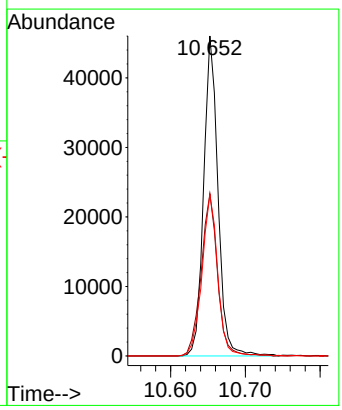


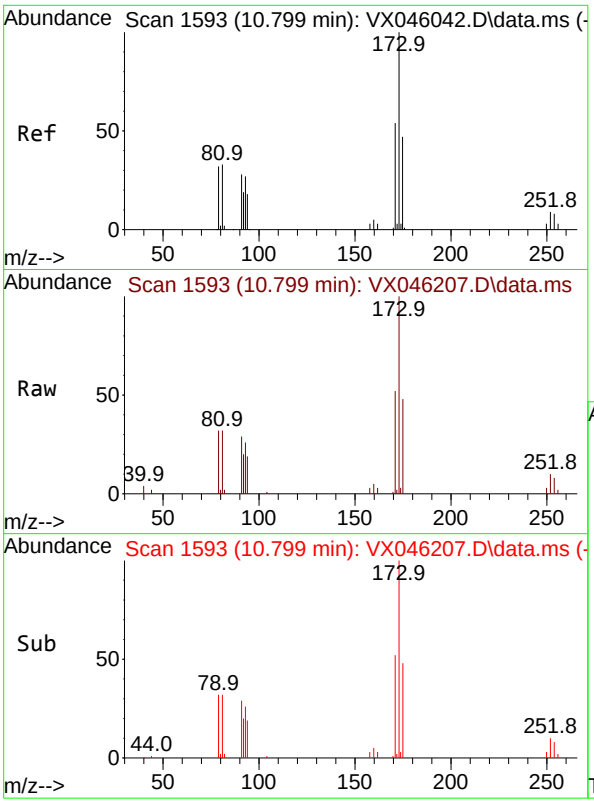


#70
Styrene
Concen: 20.507 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:104 Resp: 61379

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.7	68.5
103	55.6	43.7	65.5



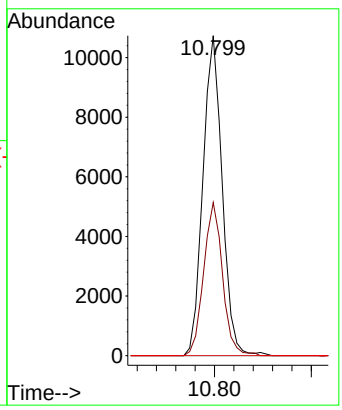


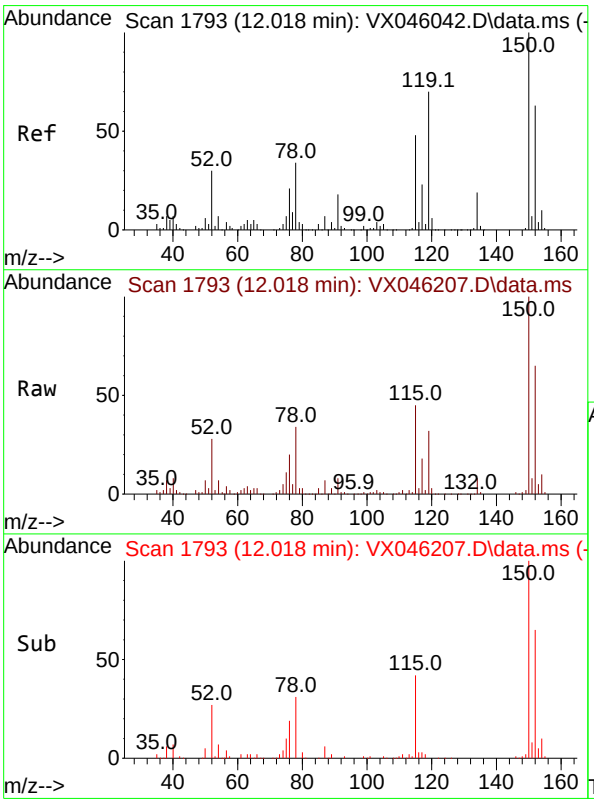
#71
Bromoform
Concen: 19.903 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:173 Resp: 14833

Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.4	70.0
254	0.0	0.0	0.0

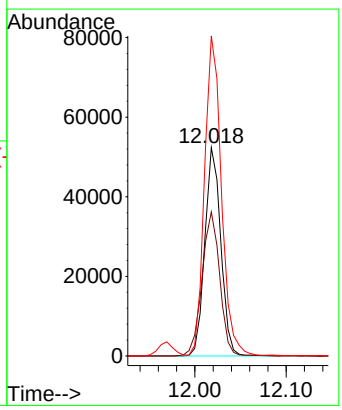


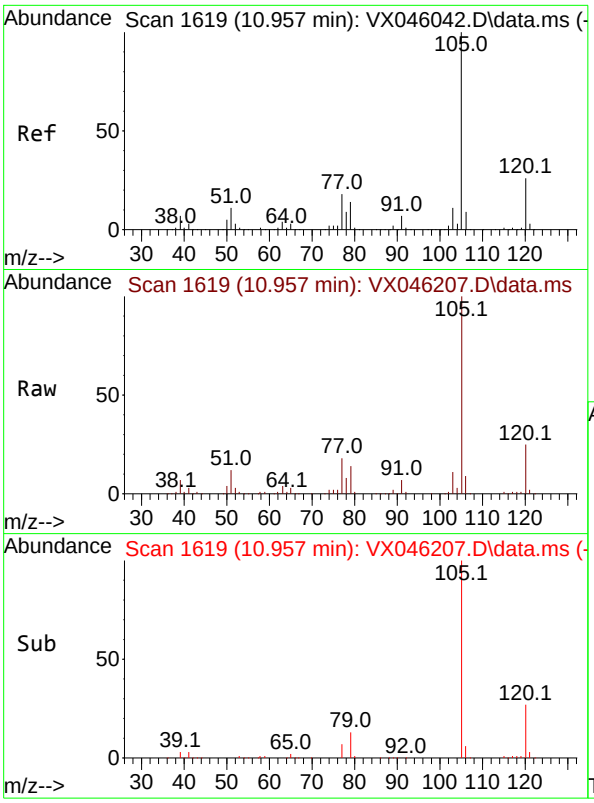


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:152 Resp: 63406

Ion	Ratio	Lower	Upper
152	100		
115	76.5	46.9	140.7
150	162.4	0.0	351.0



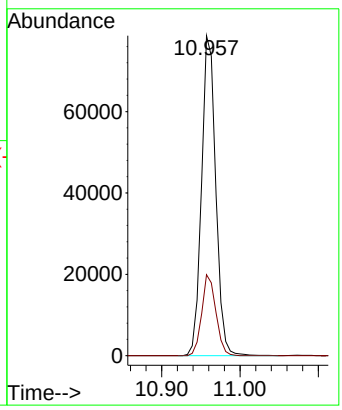


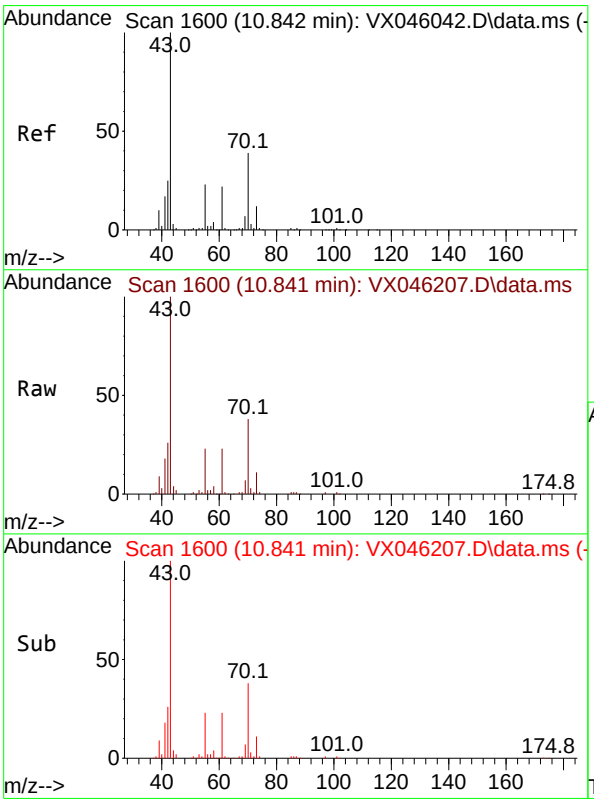
#73
Isopropylbenzene
Concen: 20.076 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:105 Resp: 99102

Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.8	38.4

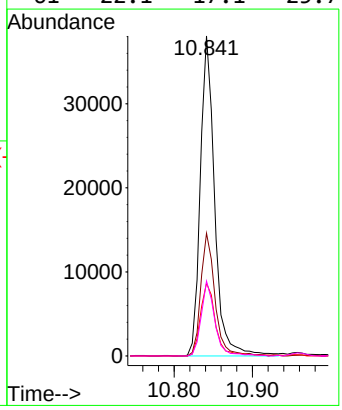


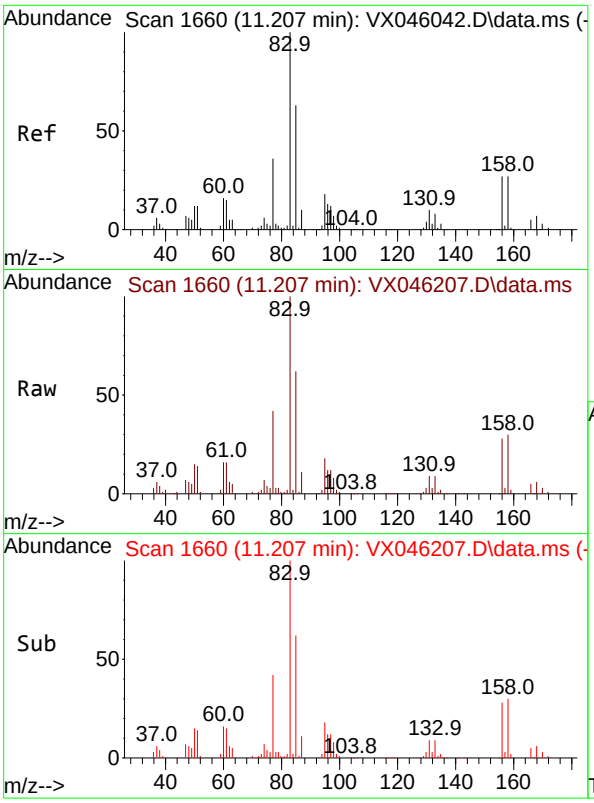


#74
N-amyl acetate
Concen: 19.897 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 43 Resp: 48533

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.9	46.3
55	24.0	18.7	28.1
61	22.1	17.1	25.7



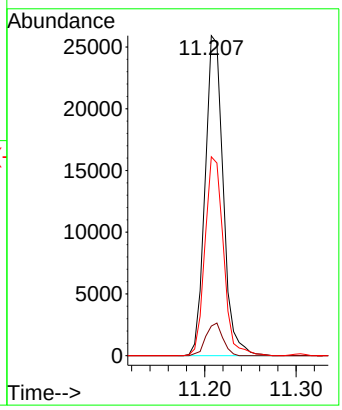


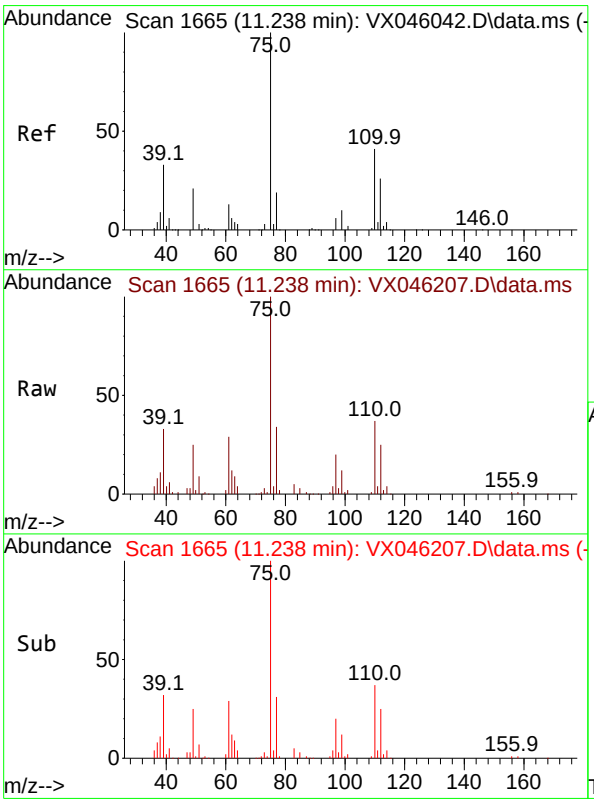
#75
1,1,2,2-Tetrachloroethane
Concen: 20.605 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 83 Resp: 35644

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	14.9
85	63.3	31.9	95.7

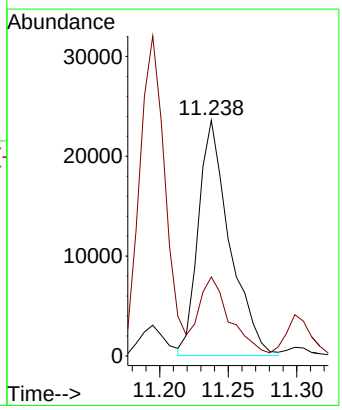


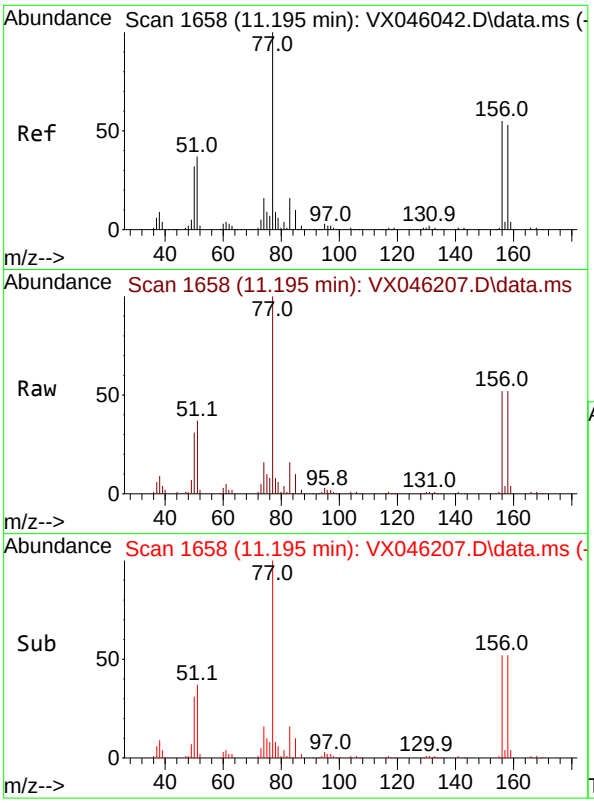


#76
1,2,3-Trichloropropane
Concen: 24.592 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 37533

Ion	Ratio	Lower	Upper
75	100		
77	33.5	20.5	61.5



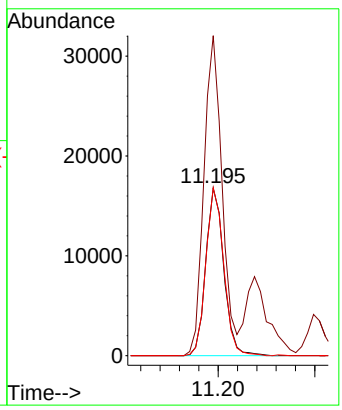


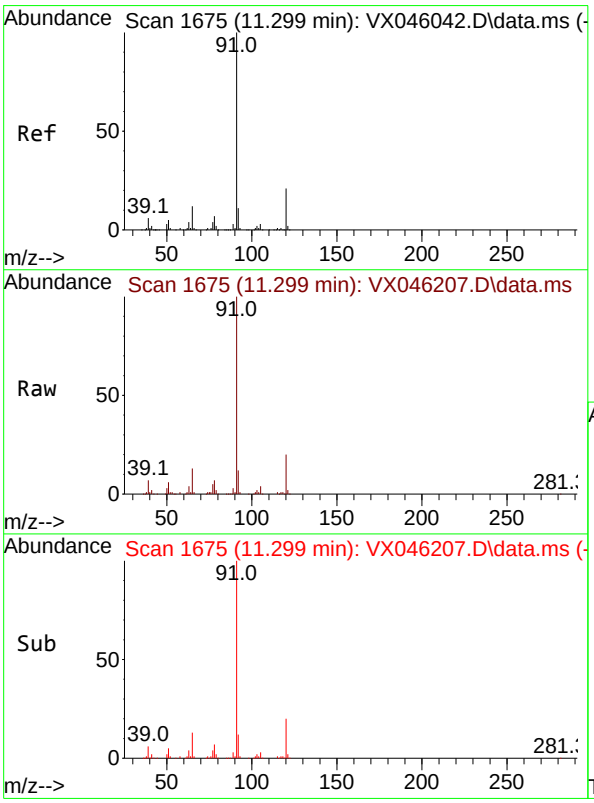
#77
Bromobenzene
Concen: 19.007 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:156 Resp: 21783

Ion	Ratio	Lower	Upper
156	100		
77	192.0	92.8	278.3
158	99.7	48.8	146.3

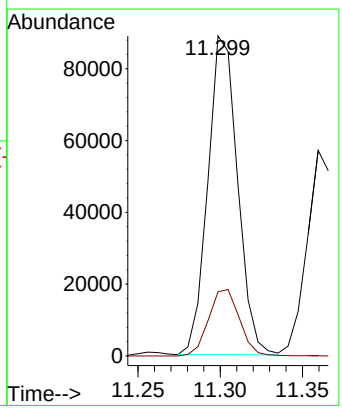


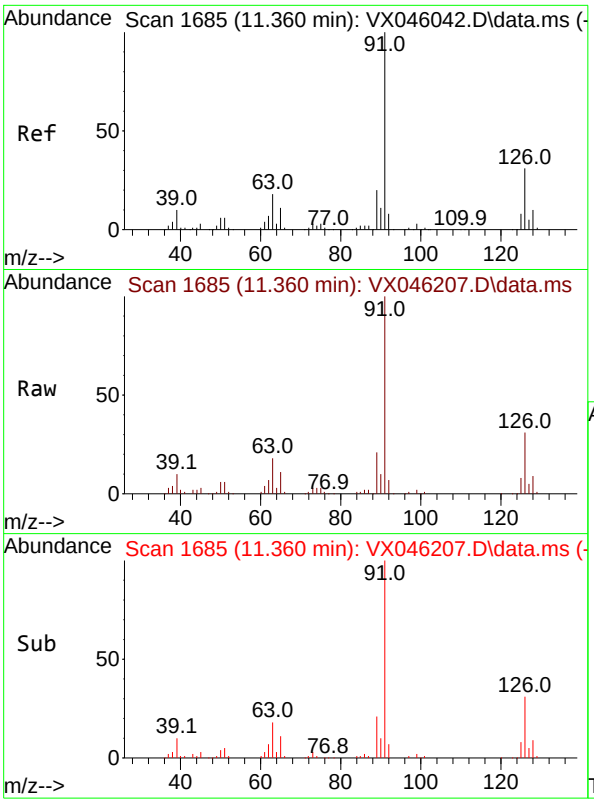


#78
n-propylbenzene
Concen: 19.472 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 91 Resp: 111762

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



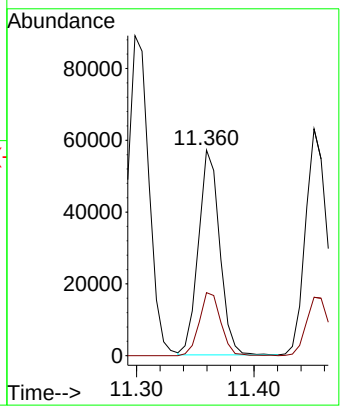


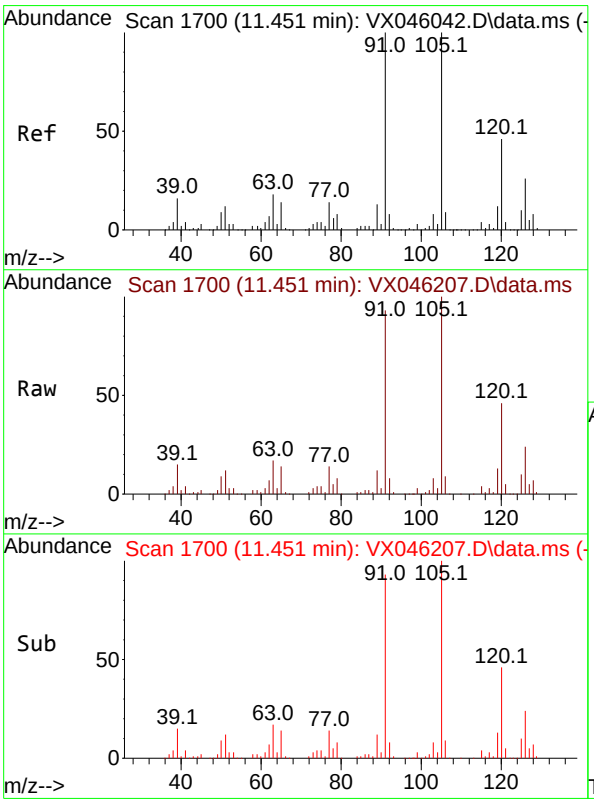
#79
2-Chlorotoluene
Concen: 19.366 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 91 Resp: 71697

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7

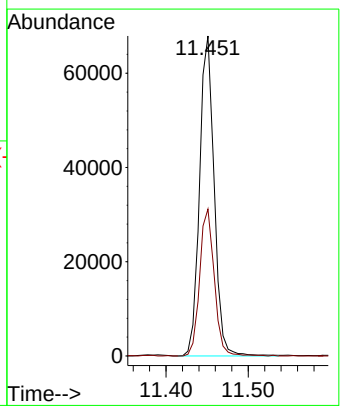


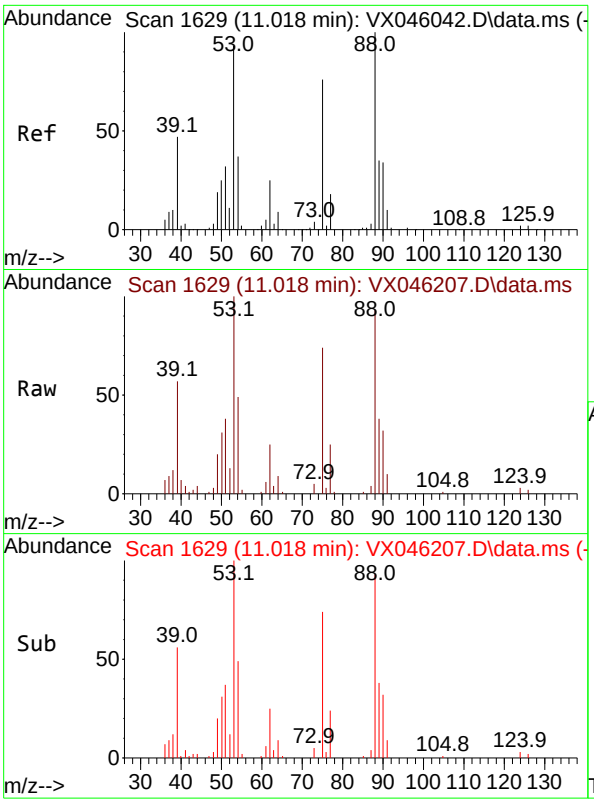


#80
1,3,5-Trimethylbenzene
Concen: 20.344 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:105 Resp: 83897

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2



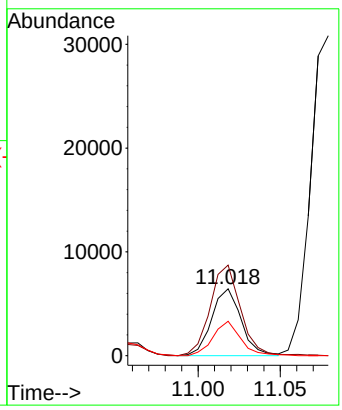


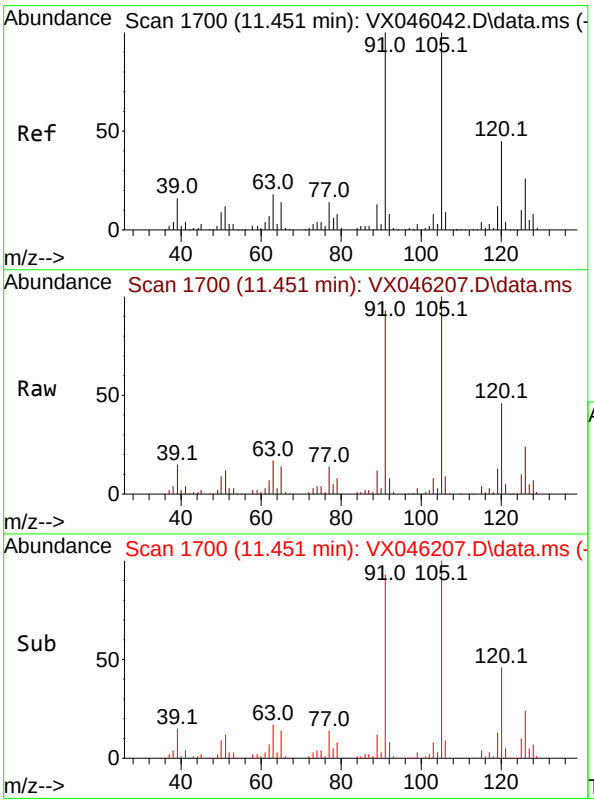
#81
trans-1,4-Dichloro-2-butene
Concen: 17.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 75 Resp: 8050

Ion	Ratio	Lower	Upper
75	100		
53	139.8	100.5	150.7
89	48.1	37.0	55.6

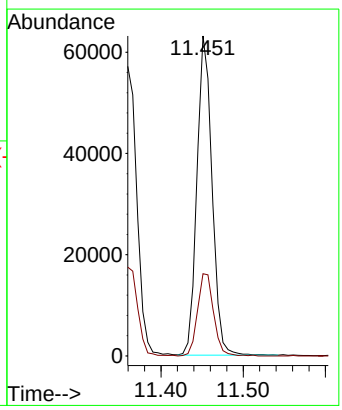


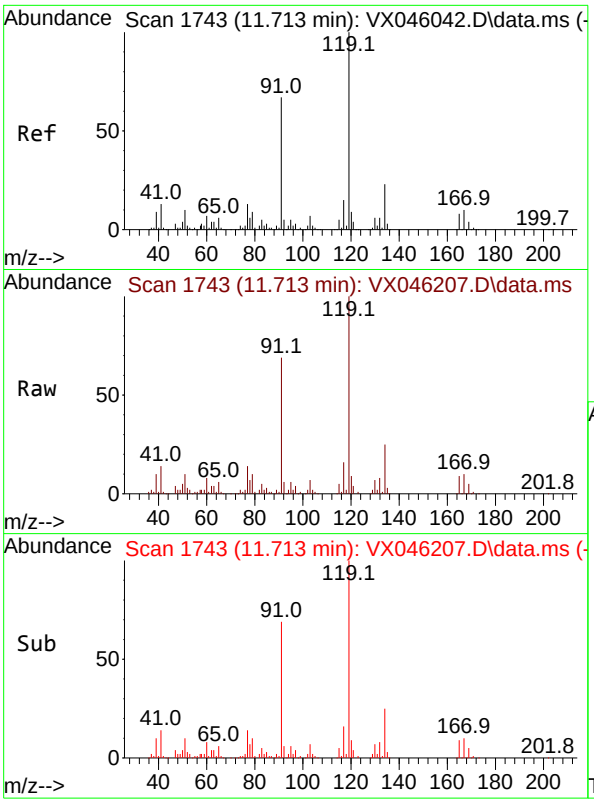


#82
4-Chlorotoluene
Concen: 19.668 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 91 Resp: 80748

Ion	Ratio	Lower	Upper
91	100		
126	27.5	13.3	39.8



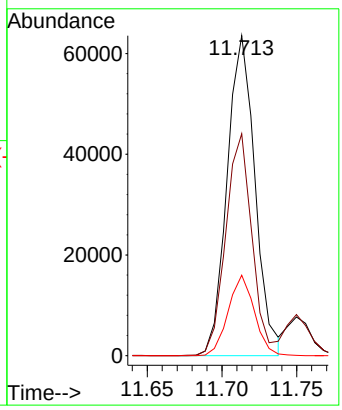


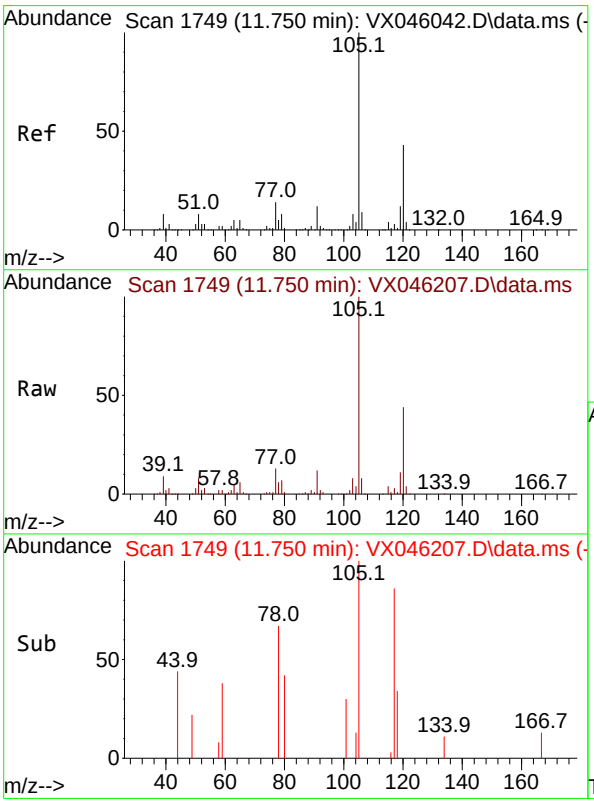
#83
tert-Butylbenzene
Concen: 19.851 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:119 Resp: 82463

Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.9	98.7
134	23.7	11.4	34.1

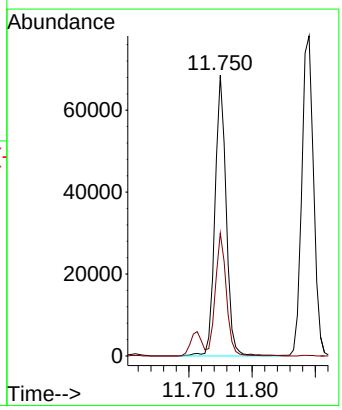


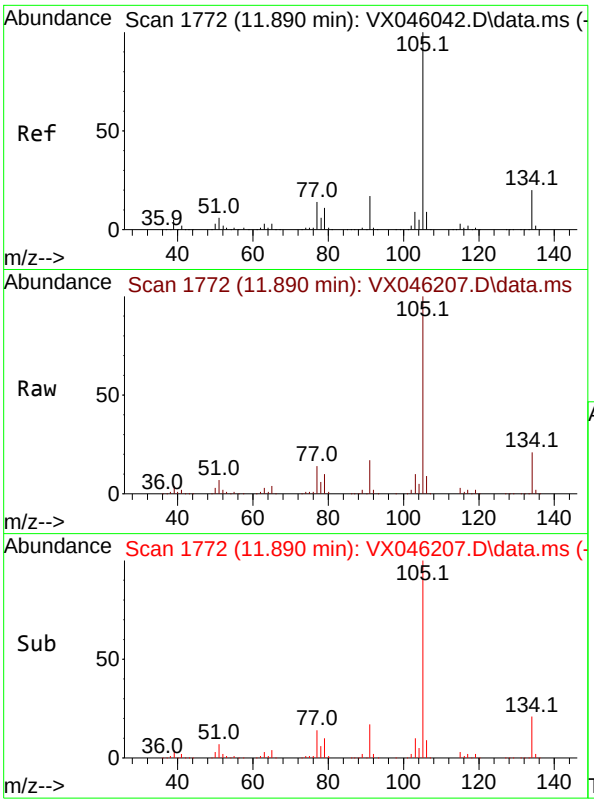


#84
1,2,4-Trimethylbenzene
Concen: 20.128 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:105 Resp: 84059

Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.2	63.6



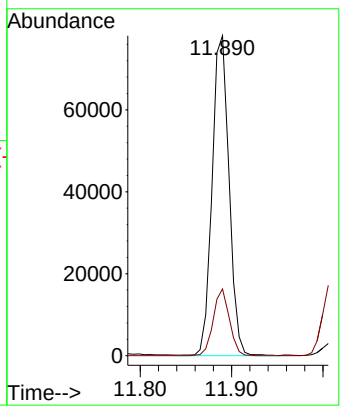


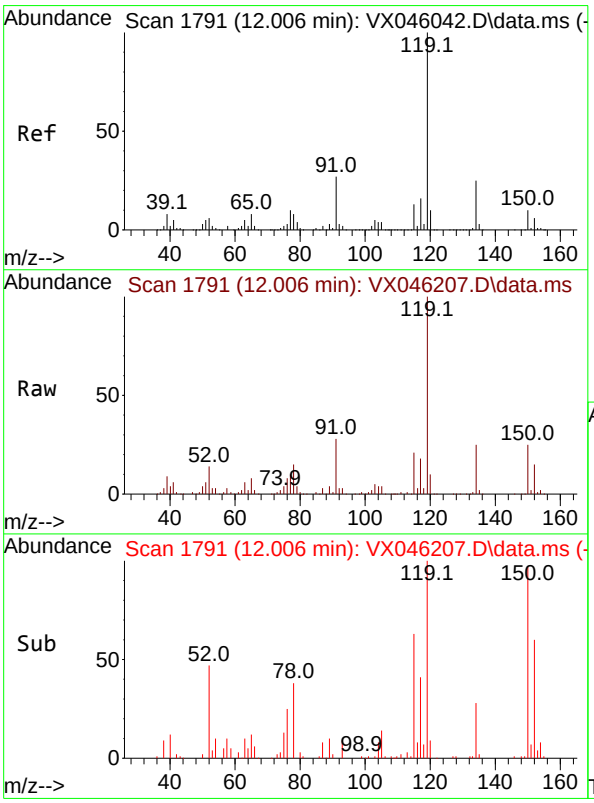
#85
sec-Butylbenzene
Concen: 19.689 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:105 Resp: 100420

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1

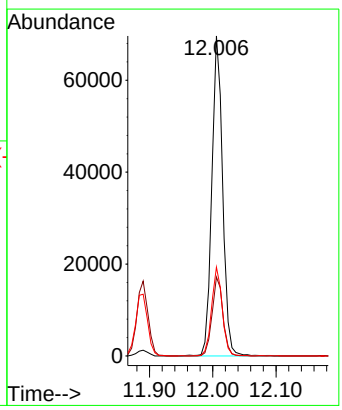


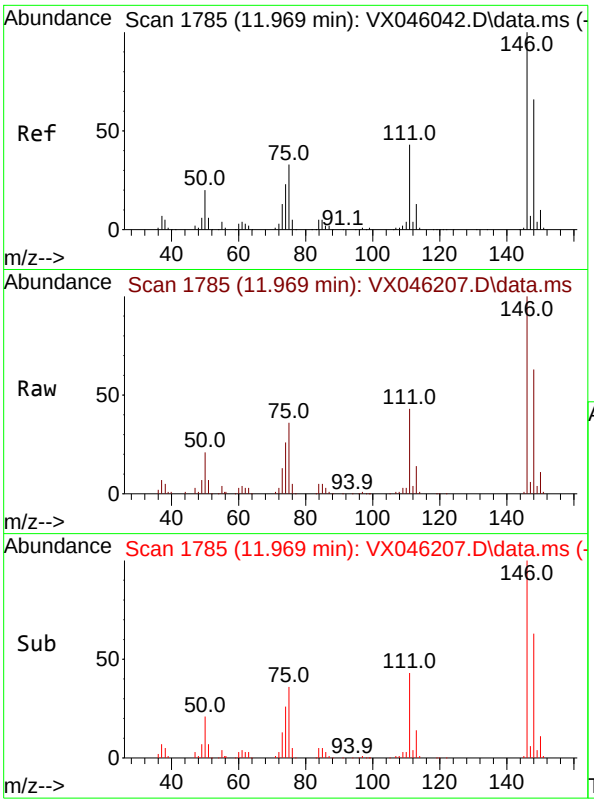


#86
p-Isopropyltoluene
Concen: 19.648 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:119 Resp: 82720

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.5	37.5
91	27.4	13.8	41.4



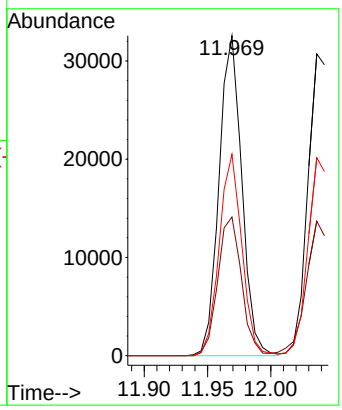


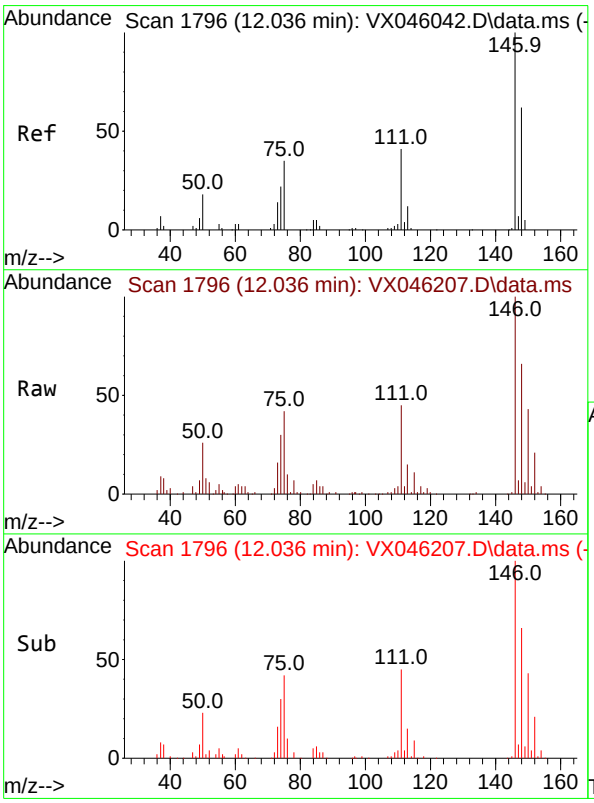
#87
1,3-Dichlorobenzene
Concen: 19.480 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:146 Resp: 40744

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.1	66.3
148	62.6	32.1	96.5

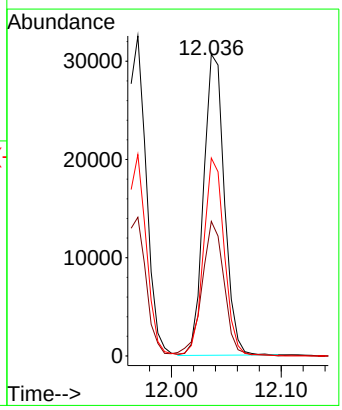


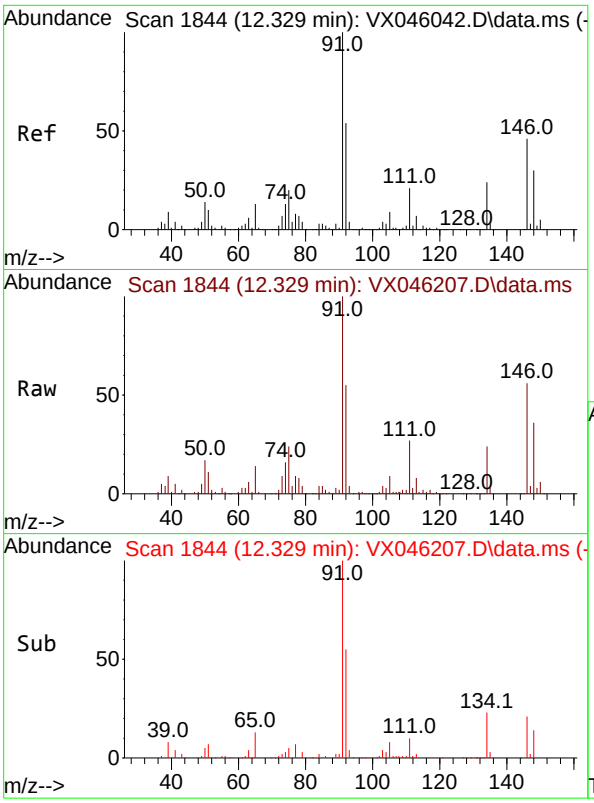


#88
1,4-Dichlorobenzene
Concen: 18.843 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:146 Resp: 40250

Ion	Ratio	Lower	Upper
146	100		
111	47.9	21.3	63.9
148	65.9	31.9	95.5



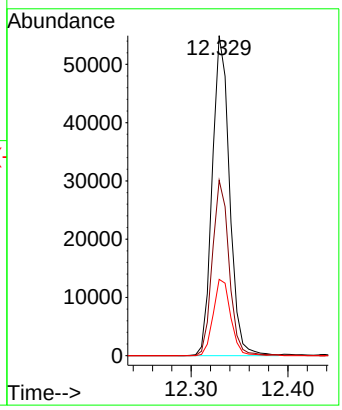


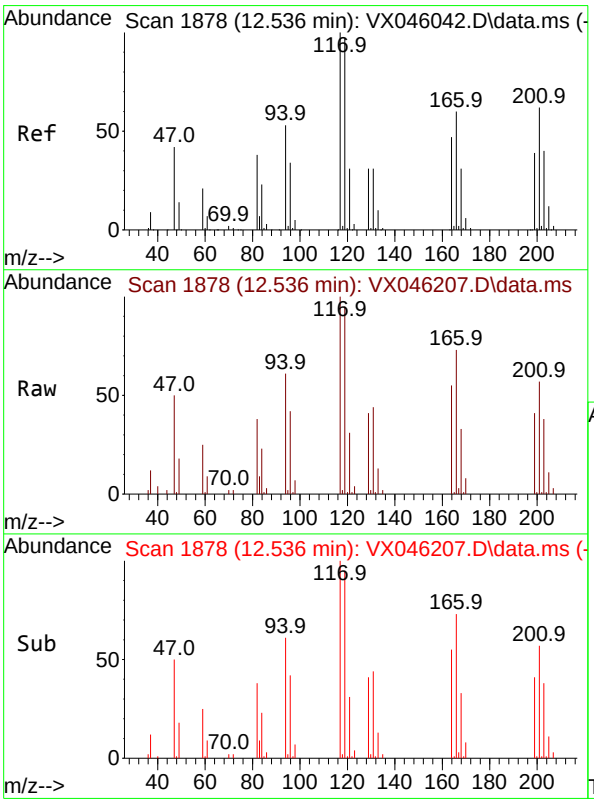
#89
n-Butylbenzene
Concen: 18.422 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion: 91 Resp: 68030

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	24.2	11.8	35.3

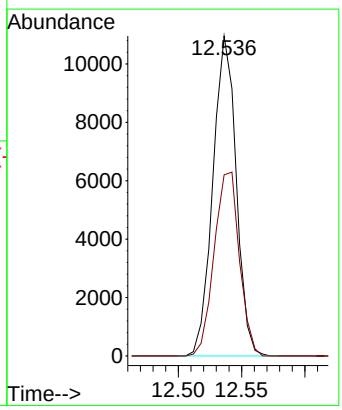


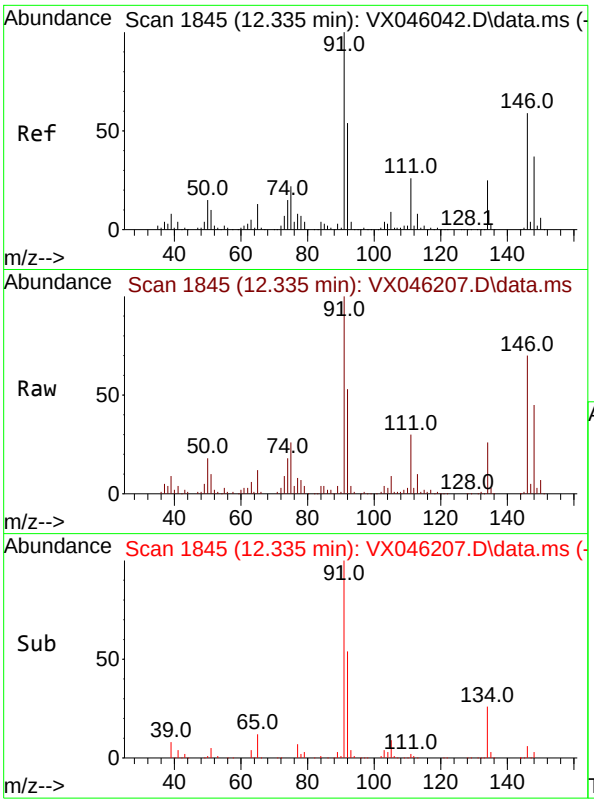


#90
Hexachloroethane
Concen: 18.900 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:117 Resp: 14018

Ion	Ratio	Lower	Upper
117	100		
201	62.3	31.6	94.7



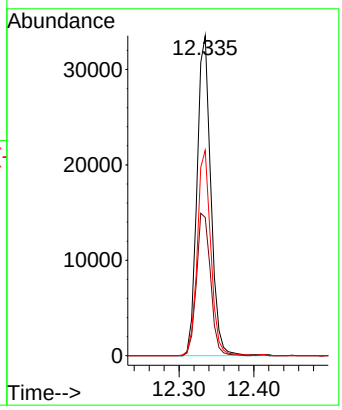


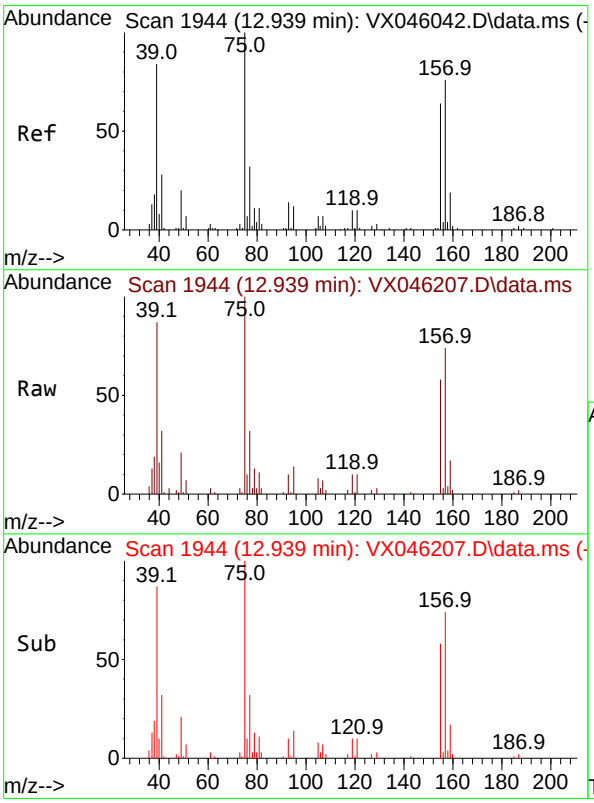
#91
1,2-Dichlorobenzene
Concen: 20.461 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:146 Resp: 42944

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.4	67.3
148	62.7	31.6	94.8

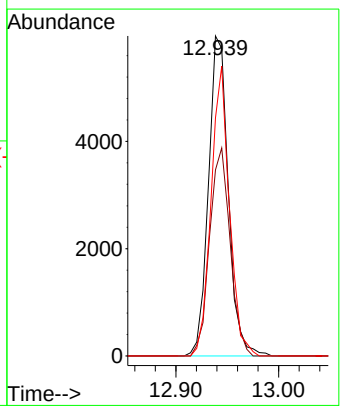


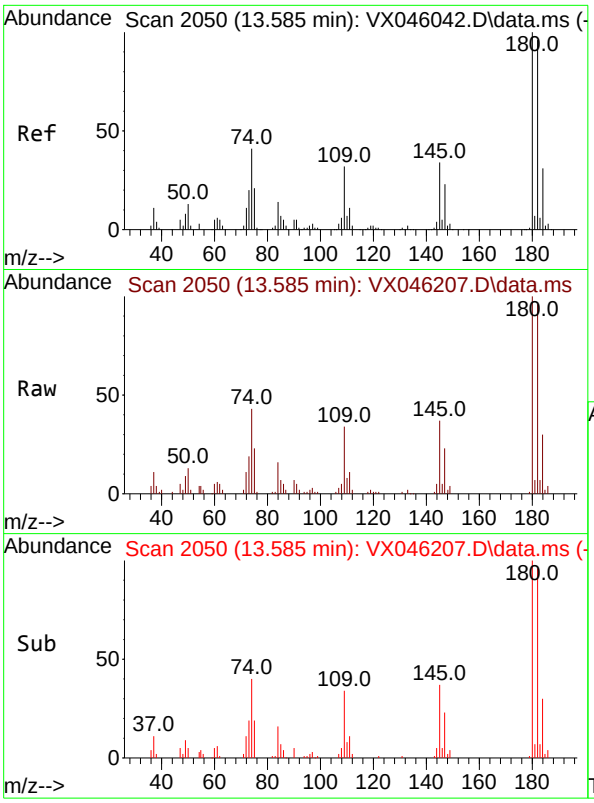


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.917 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion: 75 Resp: 8016

Ion	Ratio	Lower	Upper
75	100		
155	67.1	34.9	104.8
157	83.7	43.8	131.4



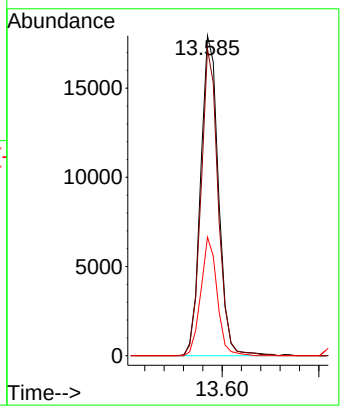


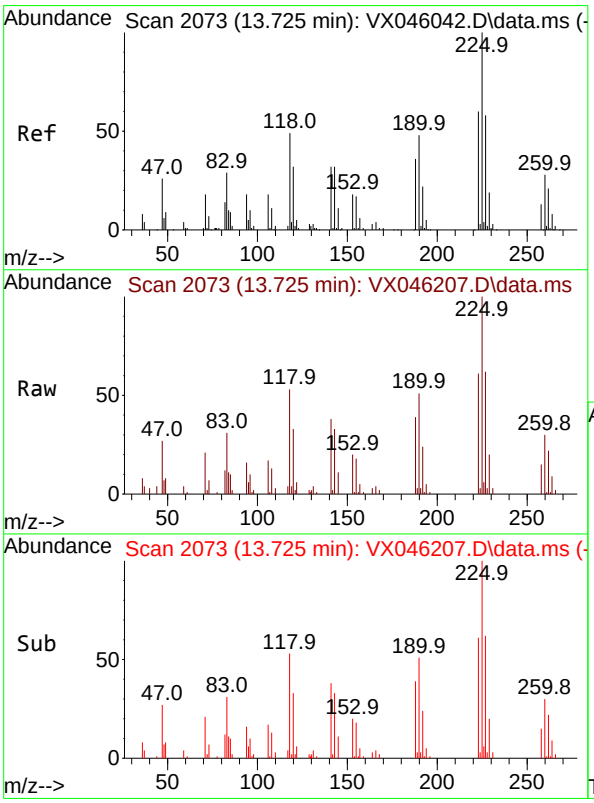
#93
1,2,4-Trichlorobenzene
Concen: 19.050 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:180 Resp: 22965

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.8
145	34.0	17.1	51.2

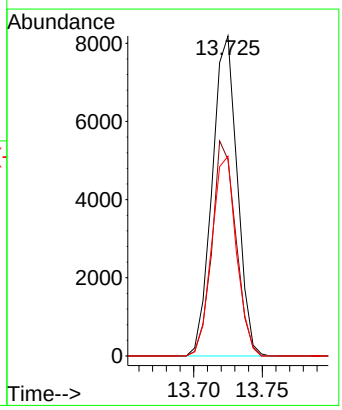


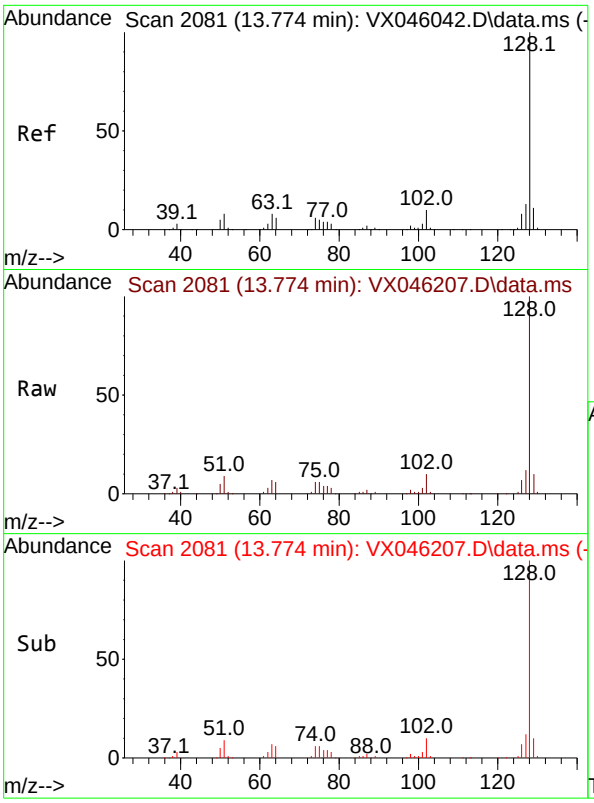


#94
Hexachlorobutadiene
Concen: 19.742 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:225 Resp: 10394

Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.8	92.4
227	61.6	30.9	92.7



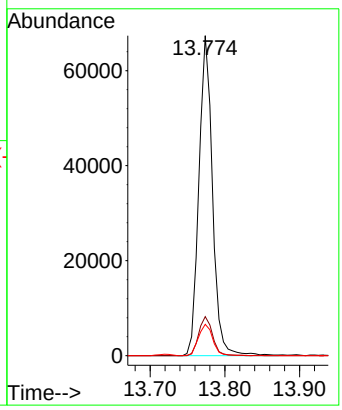


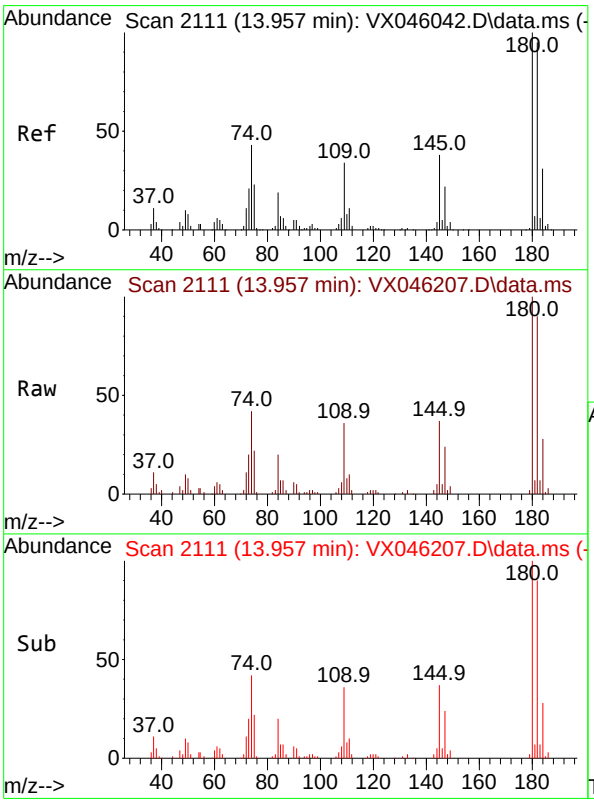
#95
Naphthalene
Concen: 19.227 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tgt Ion:128 Resp: 85011

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	10.4	8.6	13.0

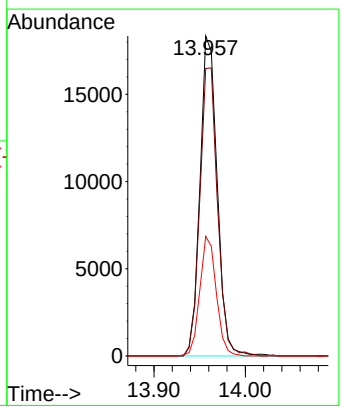




#96
1,2,3-Trichlorobenzene
Concen: 19.329 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046207.D
Acq: 15 May 2025 12:38

Tgt Ion:180 Resp: 24043

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.3
145	35.7	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 16 01:11:30 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	87132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153172	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80462	49.533	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.060%			
35) Dibromofluoromethane	5.379	113	56488	51.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	8.647	98	190215	49.825	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.660%			
62) 4-Bromofluorobenzene	11.079	95	73881	50.452	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	68689	51.506	ug/l	99
3) Chloromethane	1.307	50	65396	50.566	ug/l	100
4) Vinyl Chloride	1.374	62	59956	49.812	ug/l	99
5) Bromomethane	1.593	94	26454	47.386	ug/l	97
6) Chloroethane	1.666	64	33137	51.571	ug/l	94
7) Trichlorofluoromethane	1.874	101	90755	51.019	ug/l	99
8) Diethyl Ether	2.136	74	30135	49.764	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	55036	49.994	ug/l	99
10) Methyl Iodide	2.447	142	64191	49.279	ug/l	99
11) Tert butyl alcohol	2.983	59	60709	266.245	ug/l	99
12) 1,1-Dichloroethene	2.306	96	50790	49.159	ug/l	94
13) Acrolein	2.239	56	79460	305.994	ug/l	99
14) Allyl chloride	2.660	41	102961	52.143	ug/l	97
15) Acrylonitrile	3.069	53	178286	273.442	ug/l	99
16) Acetone	2.386	43	170078	261.130	ug/l	100
17) Carbon Disulfide	2.502	76	113076	46.164	ug/l	99
18) Methyl Acetate	2.703	43	90676	59.995	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	191729	52.931	ug/l	99
20) Methylene Chloride	2.782	84	60172	48.210	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	51589	49.652	ug/l	98
22) Diisopropyl ether	3.764	45	205399	53.851	ug/l	92
23) Vinyl Acetate	3.721	43	905459	269.908	ug/l	100
24) 1,1-Dichloroethane	3.605	63	109909	51.736	ug/l	100
25) 2-Butanone	4.556	43	258178	273.039	ug/l	100
26) 2,2-Dichloropropane	4.465	77	73212	44.030	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	63102	50.450	ug/l	100
28) Bromochloromethane	4.891	49	53376	52.197	ug/l	99
29) Tetrahydrofuran	5.007	42	161875	273.198	ug/l	99
30) Chloroform	5.086	83	113805	51.396	ug/l	95
31) Cyclohexane	5.464	56	96406	49.799	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	100089	52.144	ug/l	98
36) 1,1-Dichloropropene	5.684	75	73342	49.489	ug/l	99
37) Ethyl Acetate	4.708	43	94986	51.877	ug/l	99
38) Carbon Tetrachloride	5.672	117	84481	50.735	ug/l	99
39) Methylcyclohexane	7.373	83	91917	48.176	ug/l	97
40) Benzene	6.031	78	222602	51.280	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 16 01:11:30 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	54623	57.029	ug/l		99
42) 1,2-Dichloroethane	6.086	62	95618	51.037	ug/l		100
43) Isopropyl Acetate	6.336	43	151413	54.206	ug/l		99
44) Trichloroethene	7.123	130	51997	49.769	ug/l		99
45) 1,2-Dichloropropane	7.428	63	58027	53.759	ug/l		97
46) Dibromomethane	7.574	93	43359	50.931	ug/l		99
47) Bromodichloromethane	7.818	83	88719	52.911	ug/l		97
48) Methyl methacrylate	7.690	41	80579	56.485	ug/l		98
49) 1,4-Dioxane	7.659	88	29460	1087.625	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	517553	279.132	ug/l		99
52) Toluene	8.714	92	137133	51.520	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	78297	52.535	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	86203	52.332	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	56239	53.584	ug/l		98
56) Ethyl methacrylate	9.116	69	94798	56.672	ug/l		99
57) 1,3-Dichloropropane	9.305	76	96673	51.288	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	238687	279.889	ug/l		100
59) 2-Hexanone	9.427	43	381749	278.290	ug/l		99
60) Dibromochloromethane	9.519	129	62486	54.211	ug/l		100
61) 1,2-Dibromoethane	9.610	107	57860	53.041	ug/l		96
64) Tetrachloroethene	9.269	164	44046	45.780	ug/l		96
65) Chlorobenzene	10.073	112	149740	50.311	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	52436	51.595	ug/l		99
67) Ethyl Benzene	10.189	91	271996	51.845	ug/l		99
68) m/p-Xylenes	10.299	106	199216	103.822	ug/l		98
69) o-Xylene	10.640	106	98098	52.440	ug/l		97
70) Styrene	10.653	104	166504	54.336	ug/l		100
71) Bromoform	10.799	173	39424	51.668	ug/l	#	97
73) Isopropylbenzene	10.957	105	262316	51.524	ug/l		99
74) N-amyl acetate	10.842	43	133496	53.064	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	88427	49.564	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	95973	60.971	ug/l		86
77) Bromobenzene	11.195	156	59157	50.050	ug/l		99
78) n-propylbenzene	11.299	91	308726	52.153	ug/l		100
79) 2-Chlorotoluene	11.360	91	190066	49.779	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	224463	52.774	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23227	48.041	ug/l		98
82) 4-Chlorotoluene	11.451	91	217944	51.472	ug/l		100
83) tert-Butylbenzene	11.713	119	221462	51.692	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	225045	52.248	ug/l		99
85) sec-Butylbenzene	11.890	105	271707	51.652	ug/l		99
86) p-Isopropyltoluene	12.006	119	225717	51.984	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	107982	50.058	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	104457	47.416	ug/l		97
89) n-Butylbenzene	12.329	91	193388	50.775	ug/l		99
90) Hexachloroethane	12.536	117	39067	51.070	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	106729	49.305	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20462	51.771	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	59353	47.738	ug/l		99
94) Hexachlorobutadiene	13.719	225	26319	48.470	ug/l		99
95) Naphthalene	13.774	128	229594	50.350	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	63523	49.516	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 16 01:11:30 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)

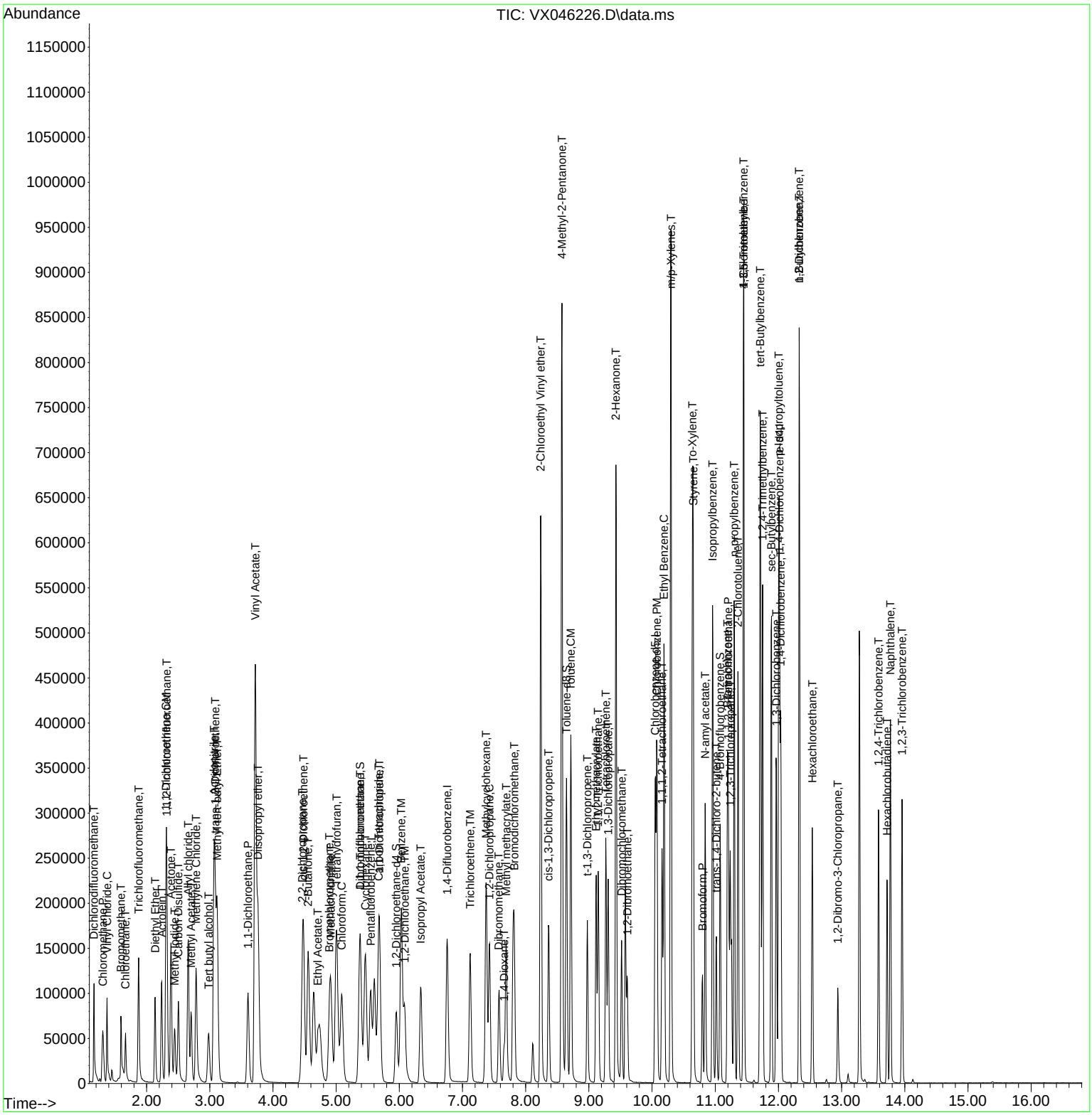
(#) = qualifier out of range (m) = manual integration (+) = signals summed

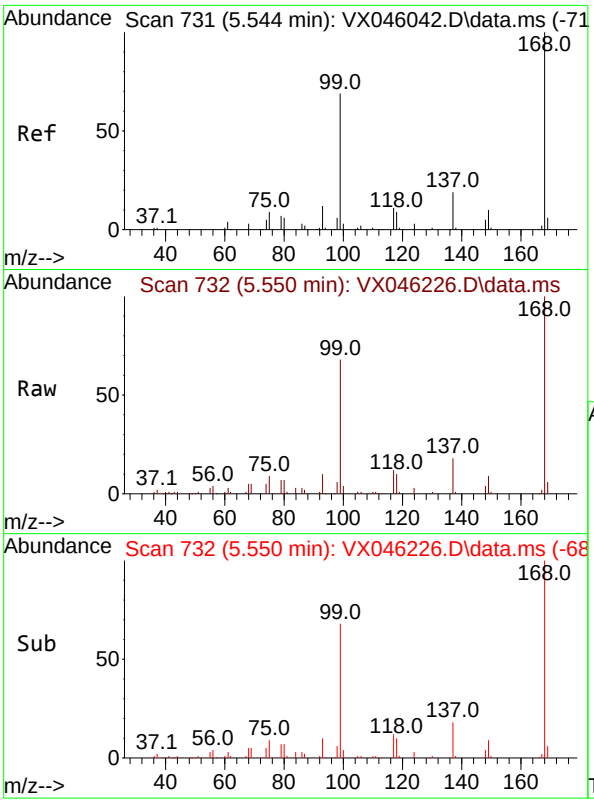
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046226.D
Acq On : 15 May 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 16 01:11:30 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



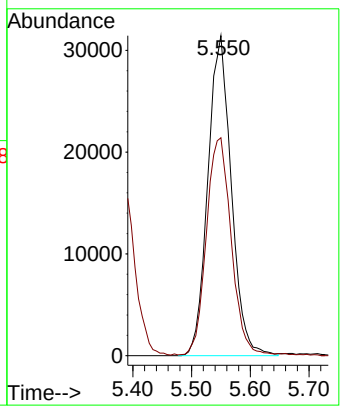


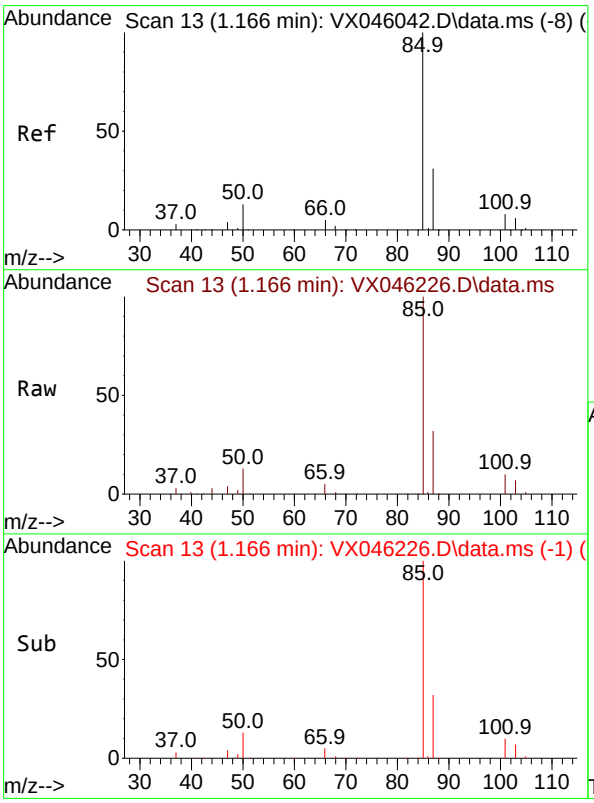
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 87132

Ion	Ratio	Lower	Upper
168	100		
99	67.8	54.9	82.3

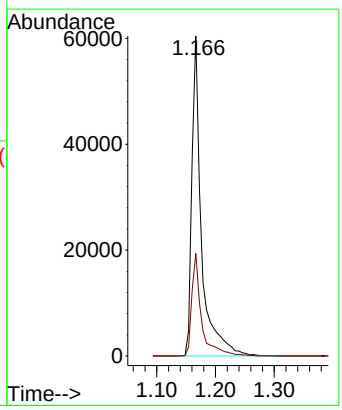


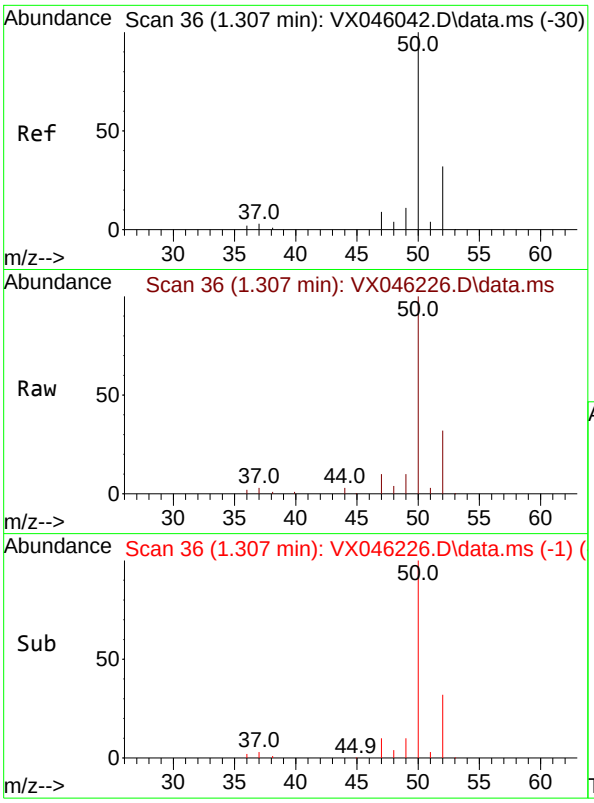


#2
Dichlorodifluoromethane
Concen: 51.506 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 85 Resp: 68689

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.1



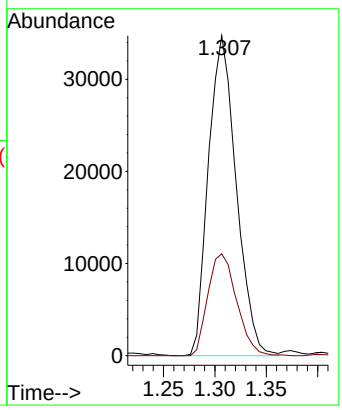


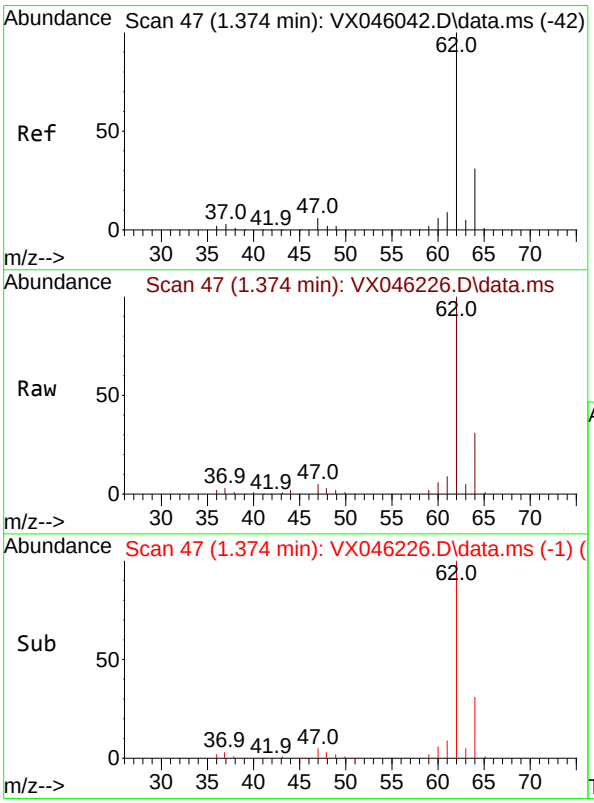
#3
Chloromethane
Concen: 50.566 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 65396

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

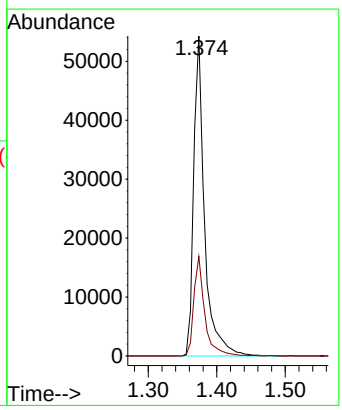


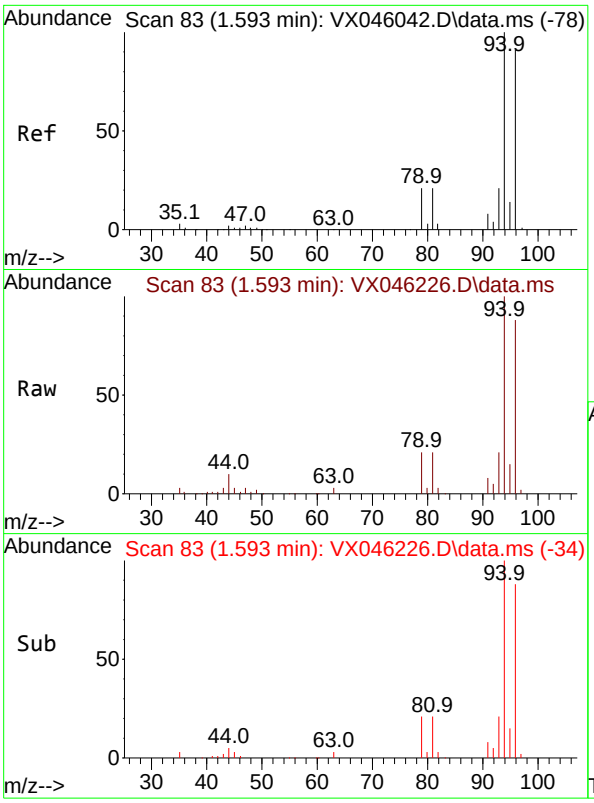


#4
Vinyl Chloride
Concen: 49.812 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 62 Resp: 59956

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.2	37.8



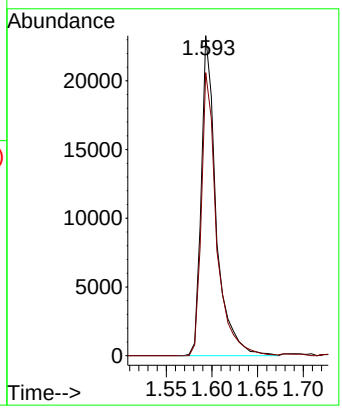


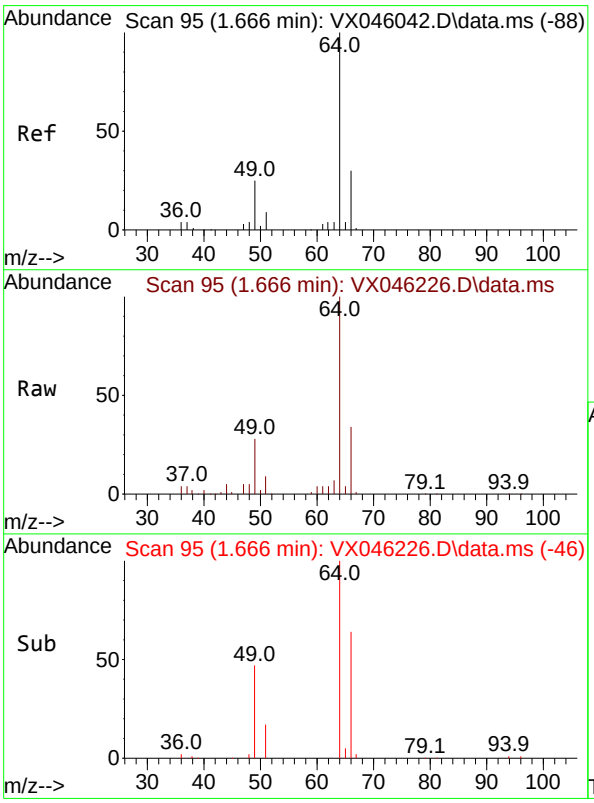
#5
Bromomethane
Concen: 47.386 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 26454

Ion	Ratio	Lower	Upper
94	100		
96	88.5	72.8	109.2

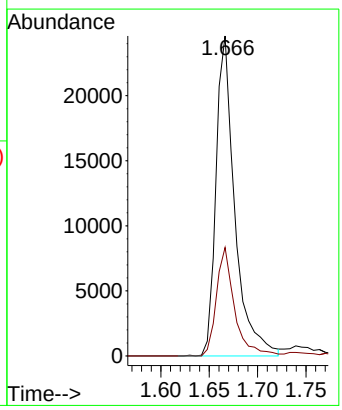


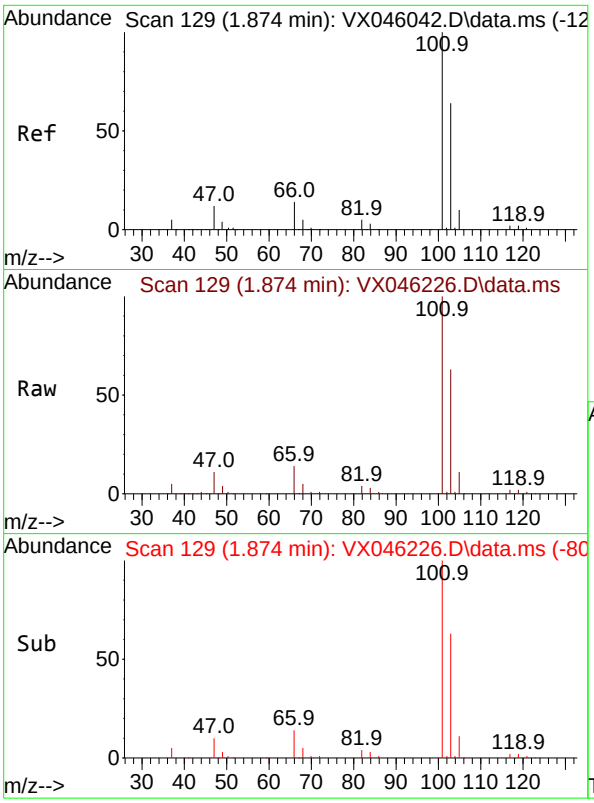


#6
Chloroethane
Concen: 51.571 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 64 Resp: 33137

Ion	Ratio	Lower	Upper
64	100		
66	33.9	24.3	36.5



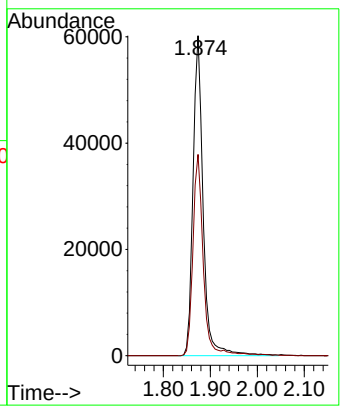


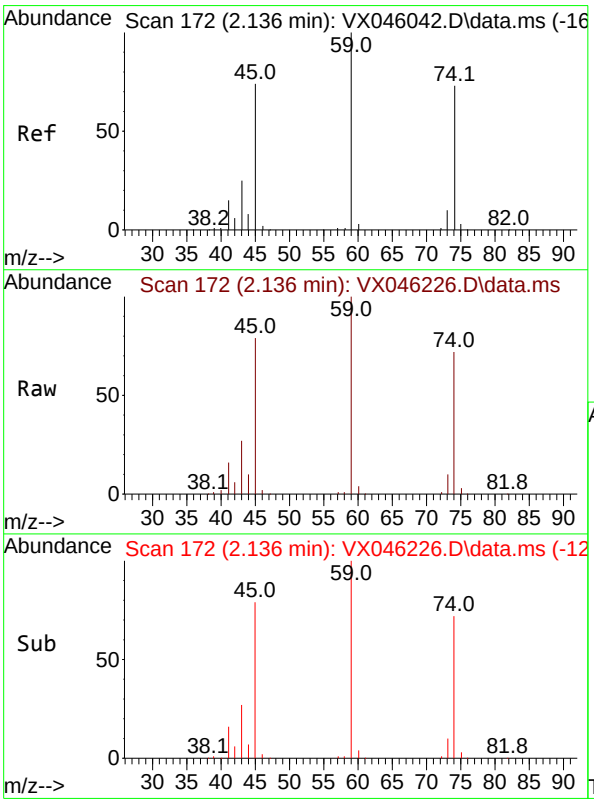
#7
Trichlorofluoromethane
Concen: 51.019 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 90755

Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.0	76.4

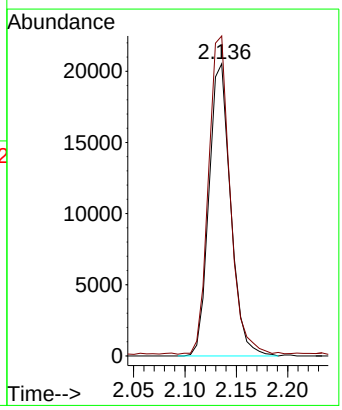


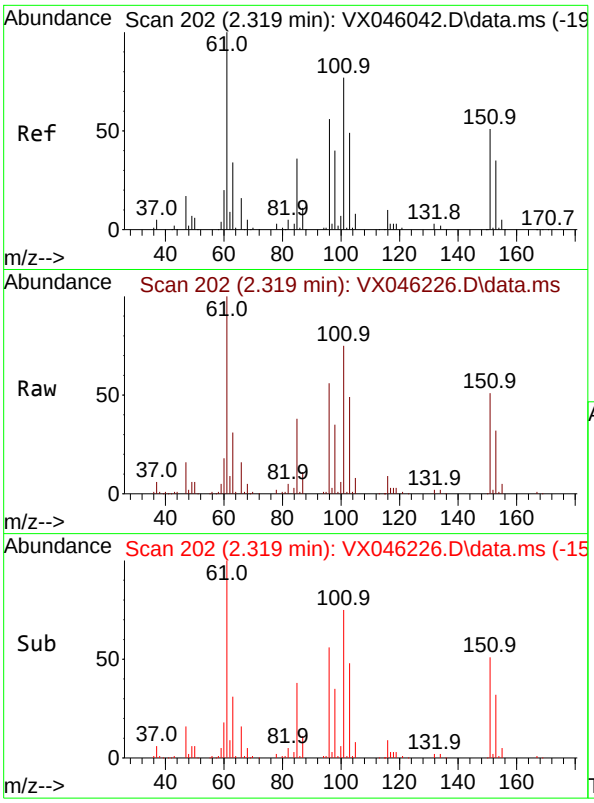


#8
Diethyl Ether
Concen: 49.764 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 74 Resp: 30135

Ion	Ratio	Lower	Upper
74	100		
45	108.6	54.9	164.8



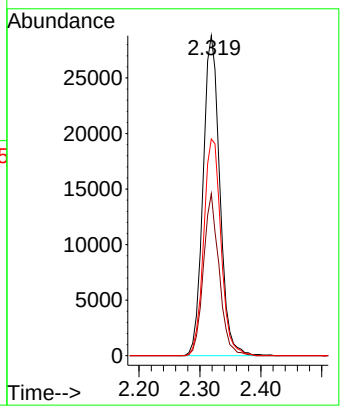


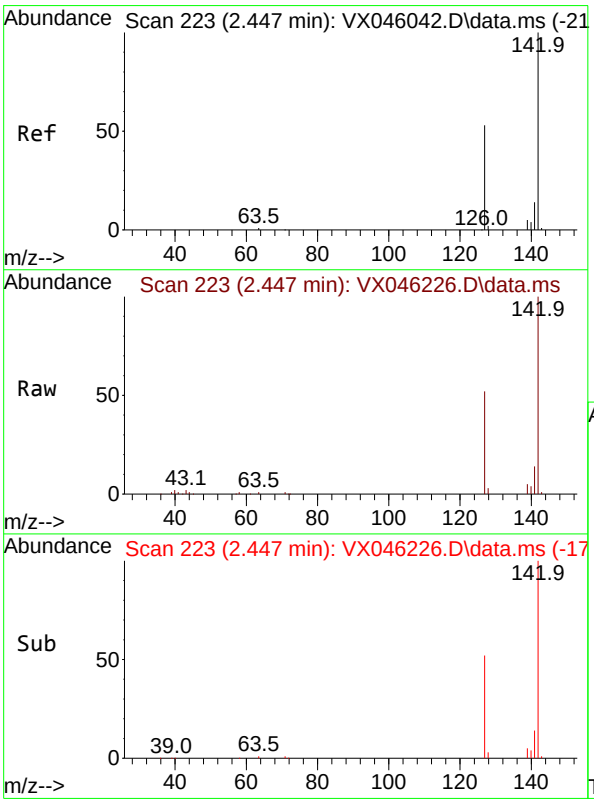
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.994 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 55036

Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.6	58.0
151	69.9	55.2	82.8

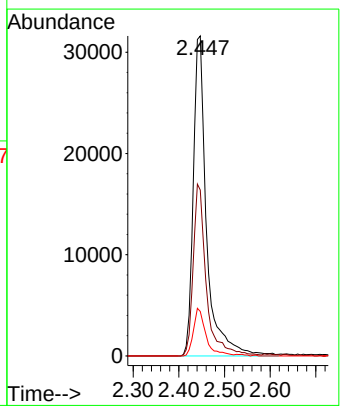


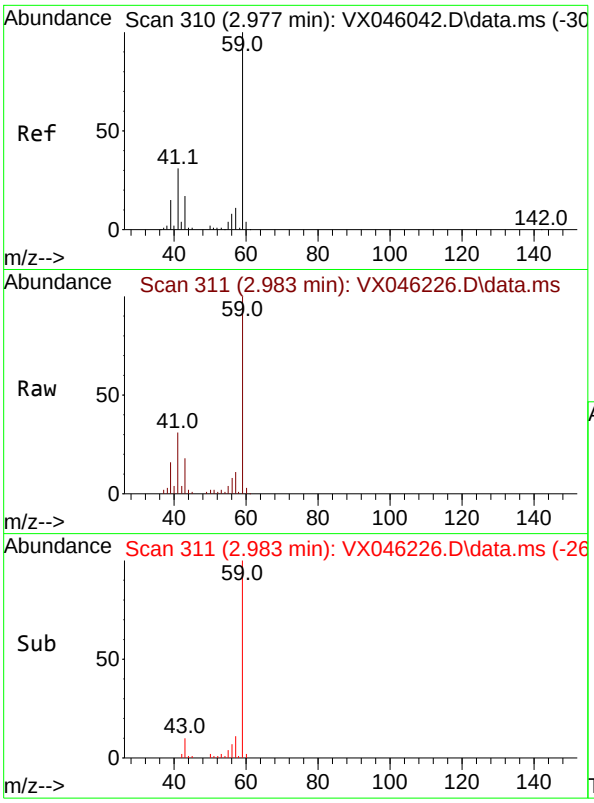


#10
Methyl Iodide
Concen: 49.279 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:142 Resp: 64191

Ion	Ratio	Lower	Upper
142	100		
127	52.7	41.7	62.5
141	13.9	11.5	17.3



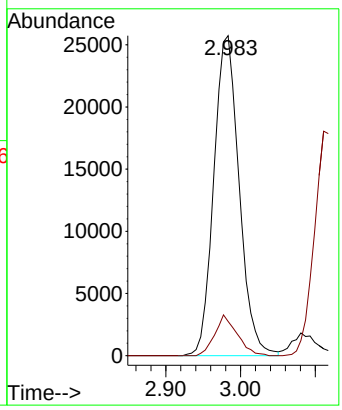


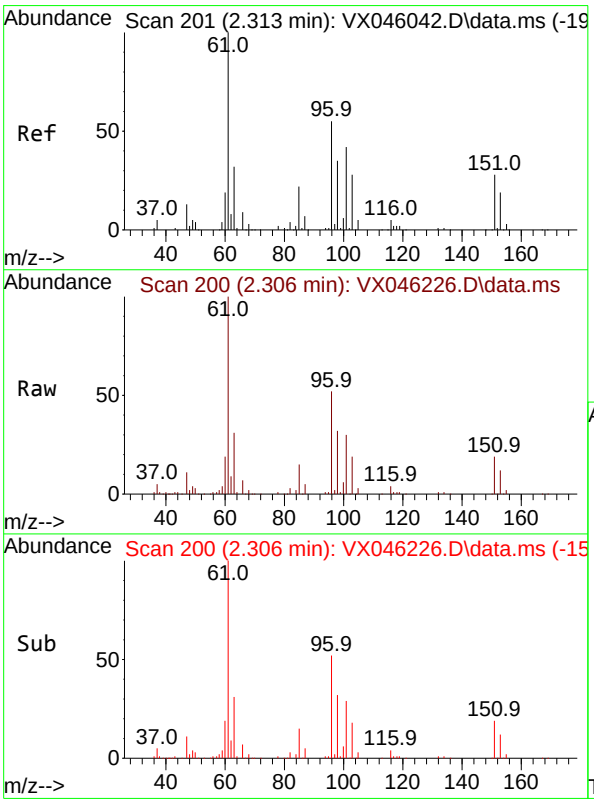
#11
Tert butyl alcohol
Concen: 266.245 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 60709

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8

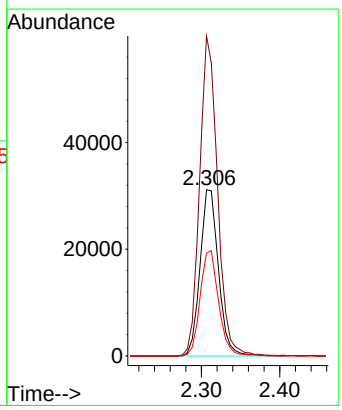


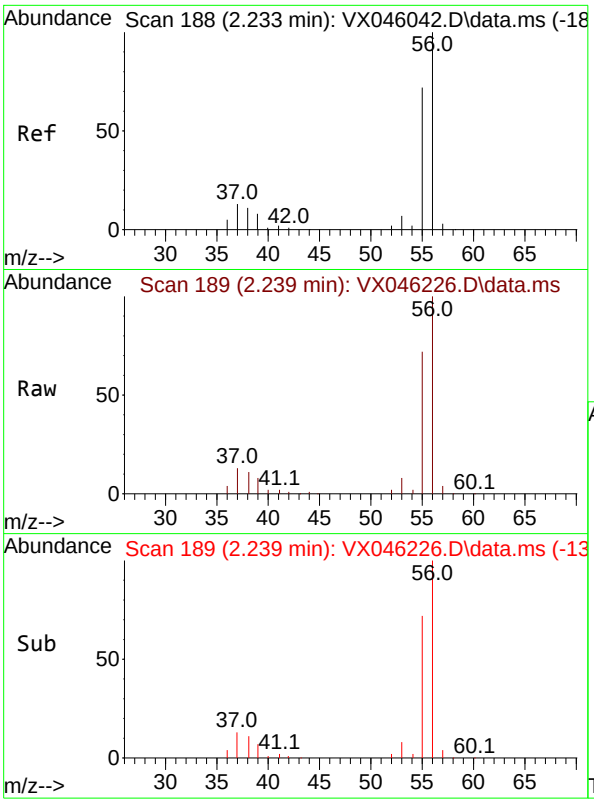


#12
1,1-Dichloroethene
Concen: 49.159 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 96 Resp: 50790

Ion	Ratio	Lower	Upper
96	100		
61	192.5	146.2	219.2
98	61.8	51.0	76.6



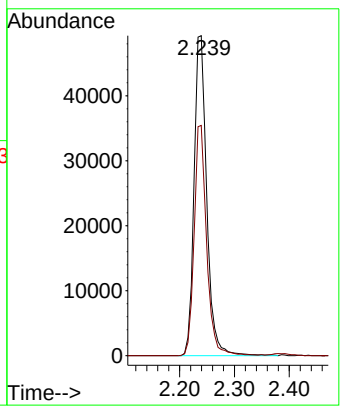


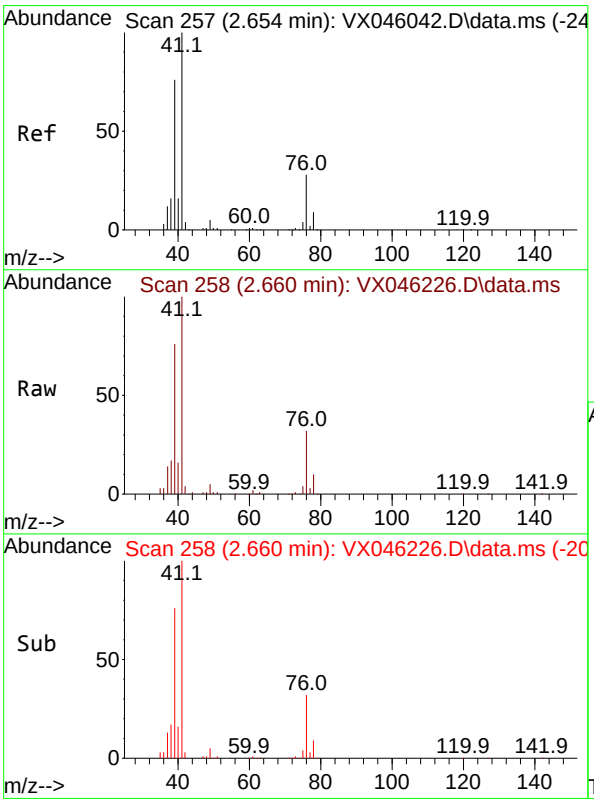
#13
Acrolein
Concen: 305.994 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 79460

Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.2	84.4

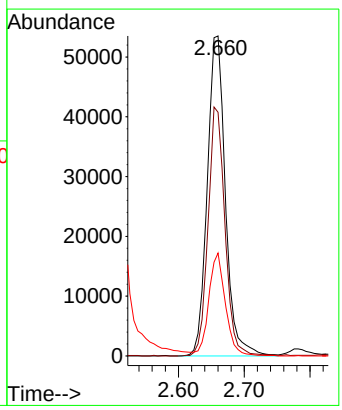


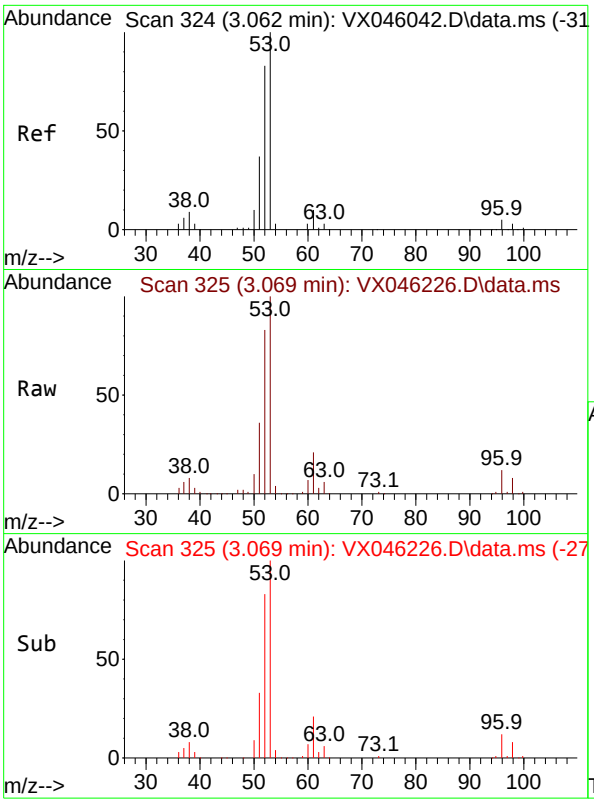


#14
Allyl chloride
Concen: 52.143 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 41 Resp: 102961

Ion	Ratio	Lower	Upper
41	100		
39	72.5	60.6	90.8
76	29.7	24.9	37.3



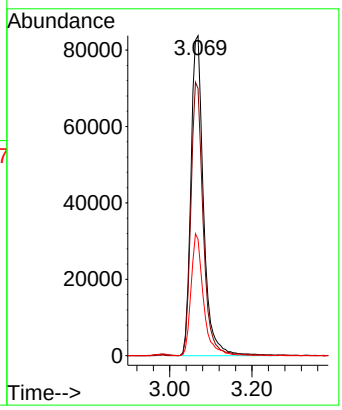


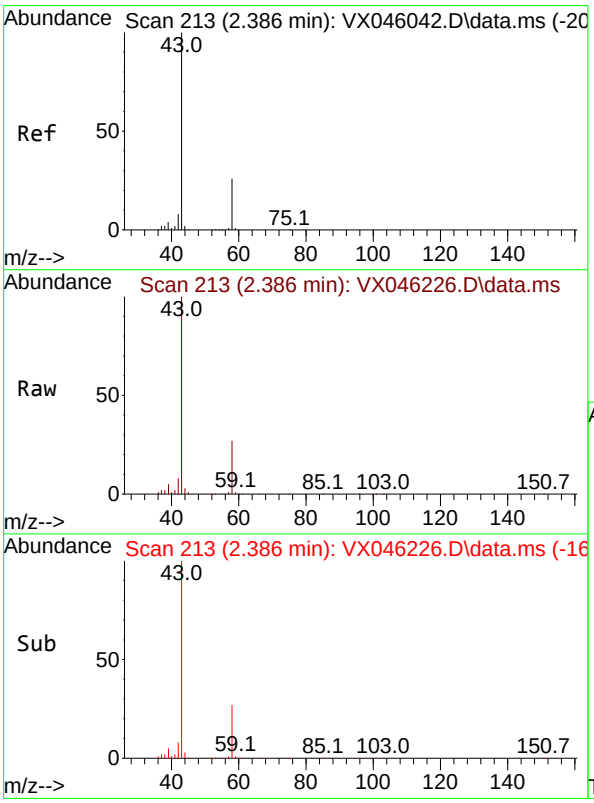
#15
Acrylonitrile
Concen: 273.442 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 178286

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.3	97.9
51	37.7	29.8	44.8

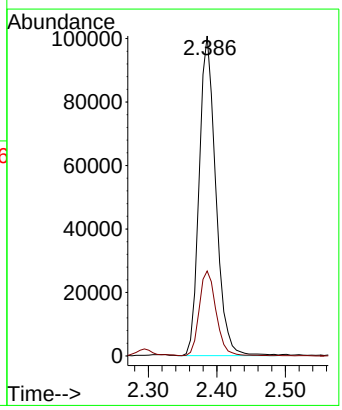


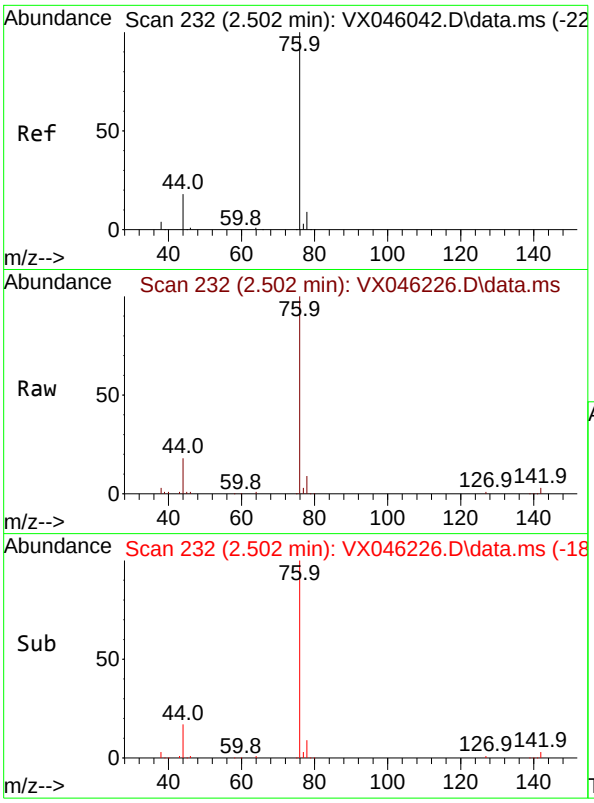


#16
Acetone
Concen: 261.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 170078

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8



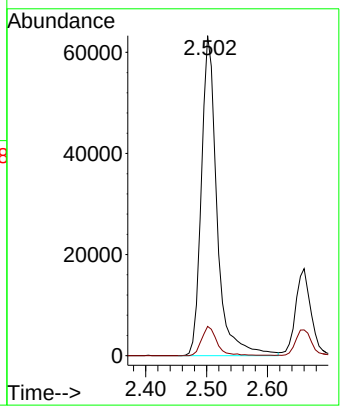


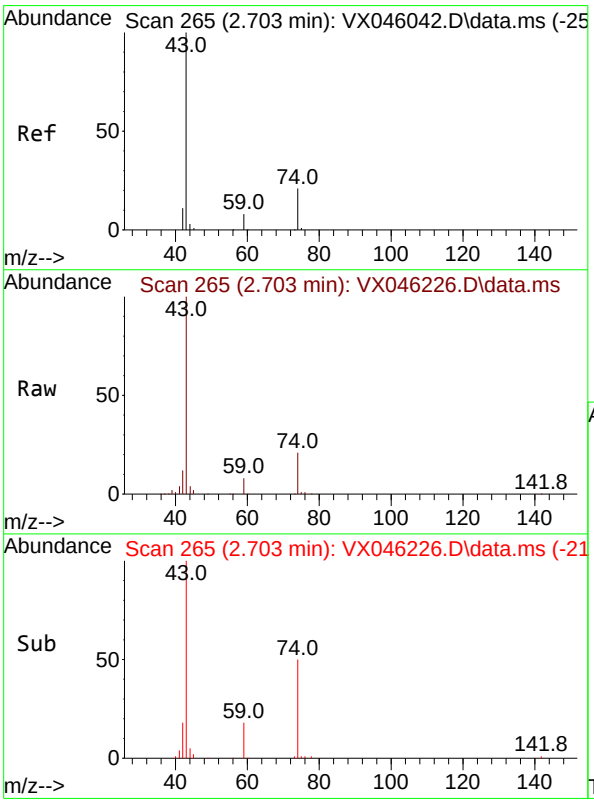
#17
Carbon Disulfide
Concen: 46.164 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 113076

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

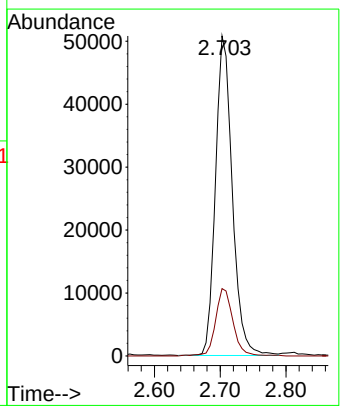


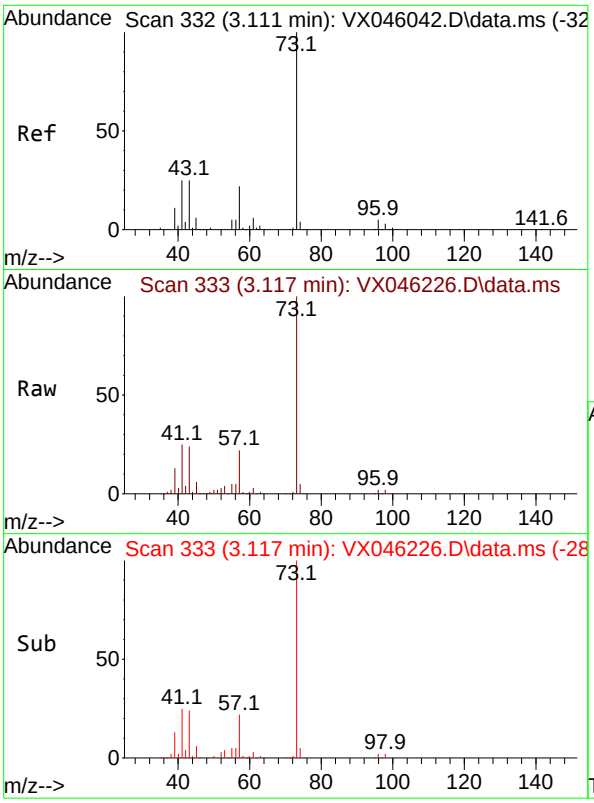


#18
Methyl Acetate
Concen: 59.995 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 90676

Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.7	25.1



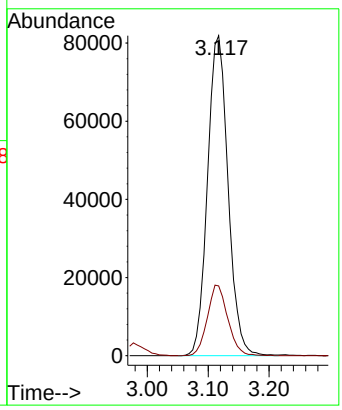


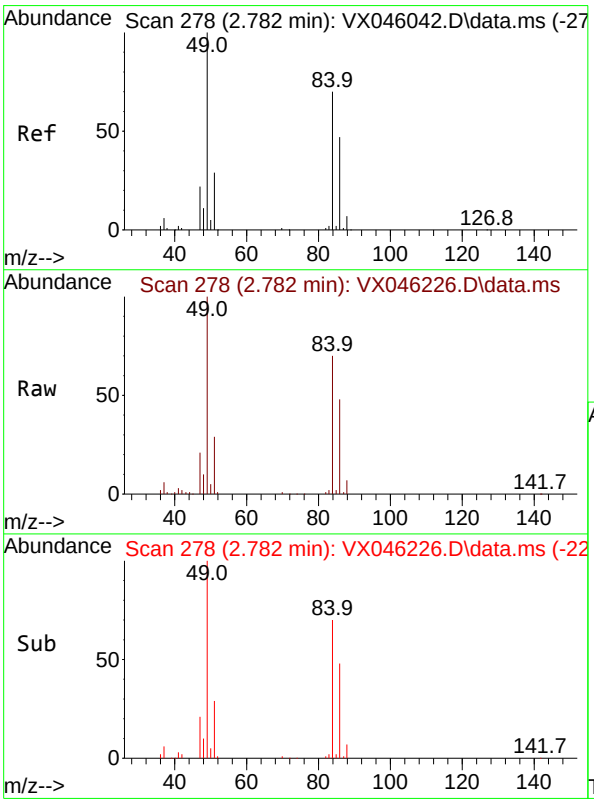
#19
Methyl tert-butyl Ether
Concen: 52.931 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 191729

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

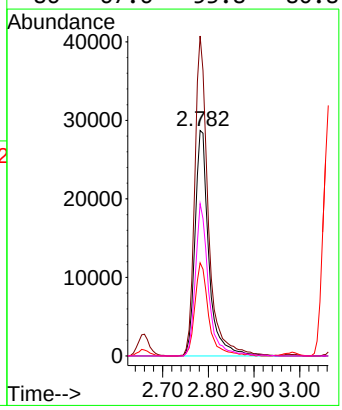


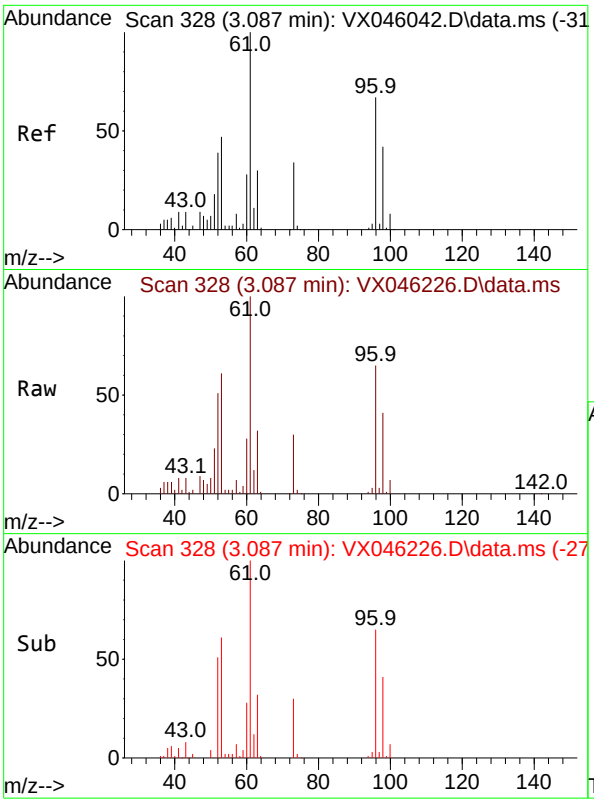


#20
Methylene Chloride
Concen: 48.210 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 84 Resp: 60172

Ion	Ratio	Lower	Upper
84	100		
49	142.0	113.9	170.9
51	41.4	33.5	50.3
86	67.6	53.8	80.8



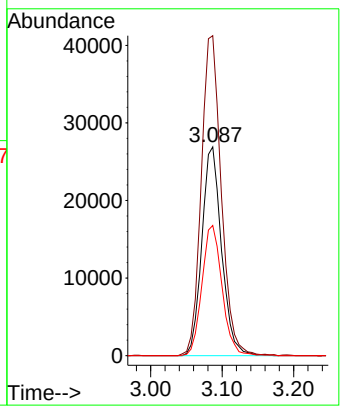


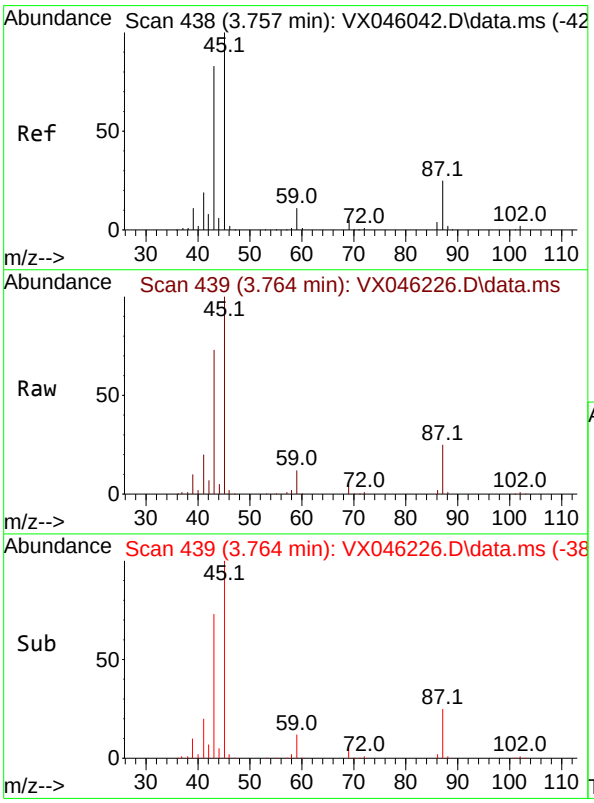
#21
trans-1,2-Dichloroethene
Concen: 49.652 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 51589

Ion	Ratio	Lower	Upper
96	100		
61	153.2	119.5	179.3
98	62.3	50.0	75.0

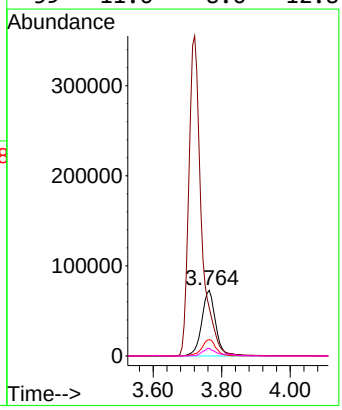


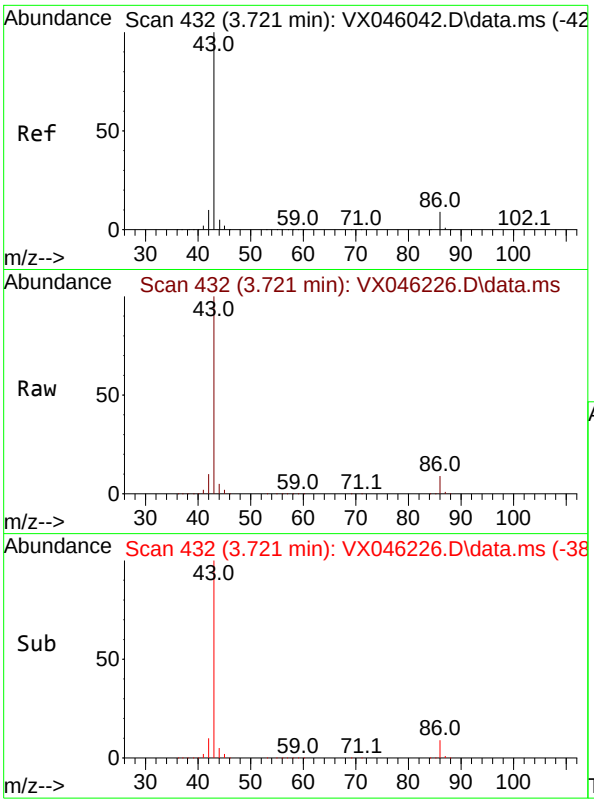


#22
Diisopropyl ether
Concen: 53.851 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 45 Resp: 205399

Ion	Ratio	Lower	Upper
45	100		
43	72.9	66.6	100.0
87	24.9	19.8	29.6
59	11.6	8.6	12.8



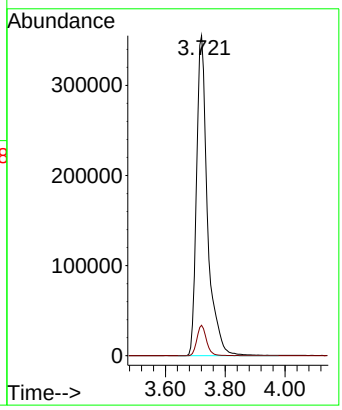


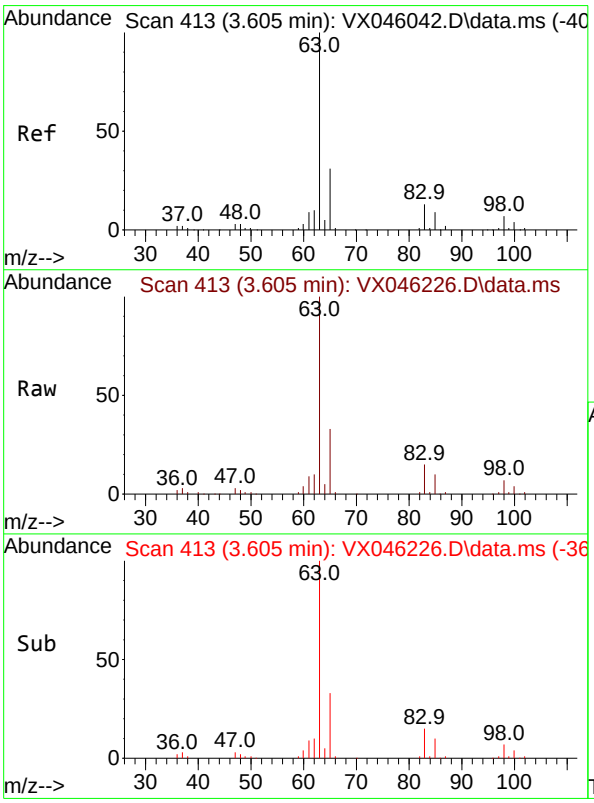
#23
Vinyl Acetate
Concen: 269.908 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 905459

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

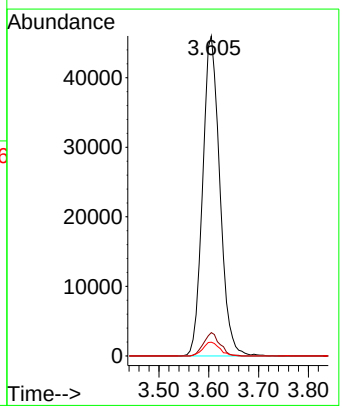


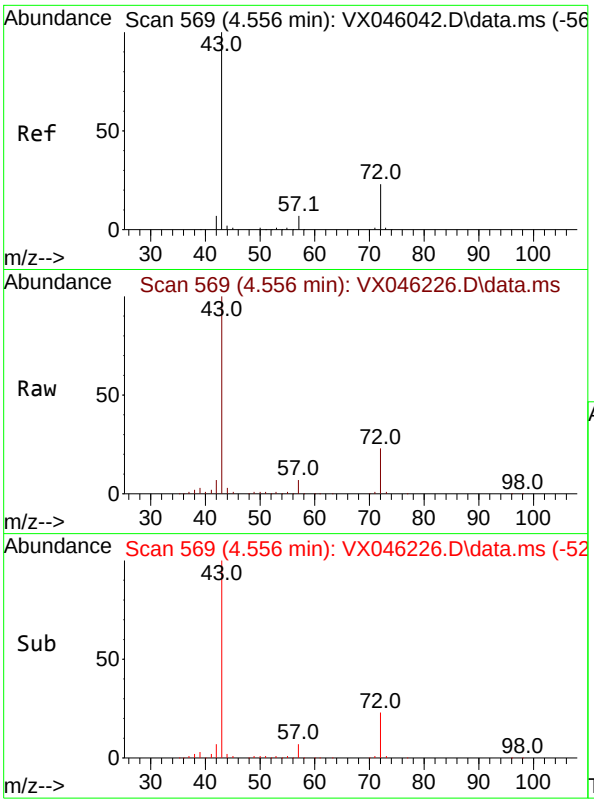


#24
1,1-Dichloroethane
Concen: 51.736 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 63 Resp: 109909

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.3	2.1	6.3



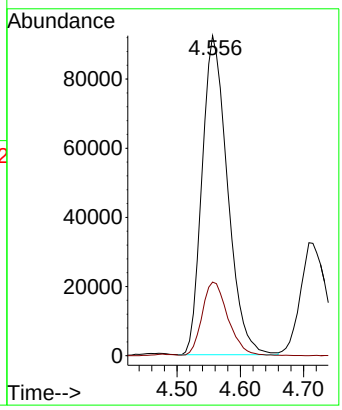


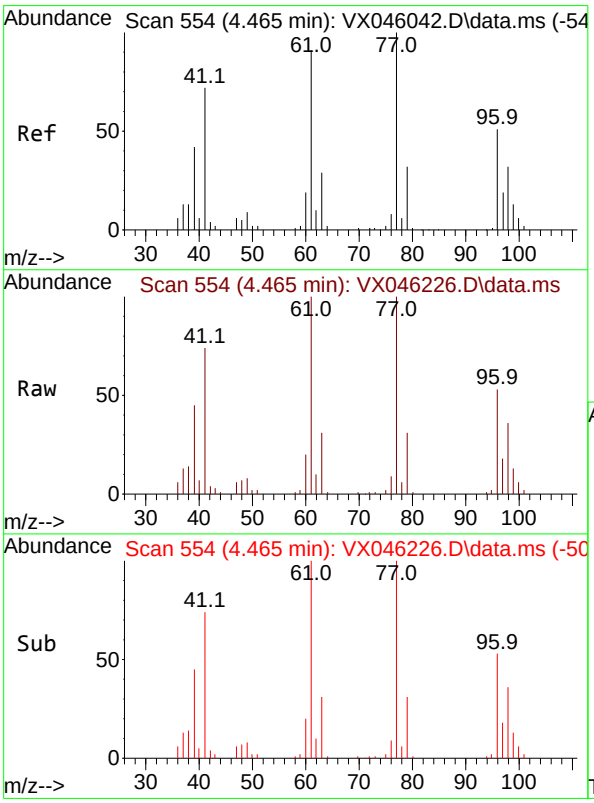
#25
2-Butanone
Concen: 273.039 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 258178

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6

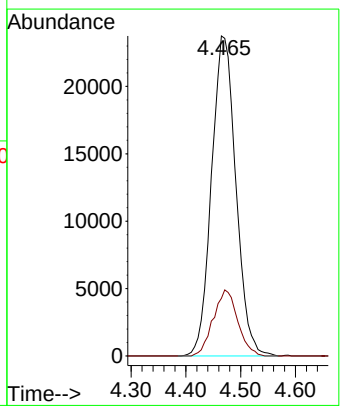


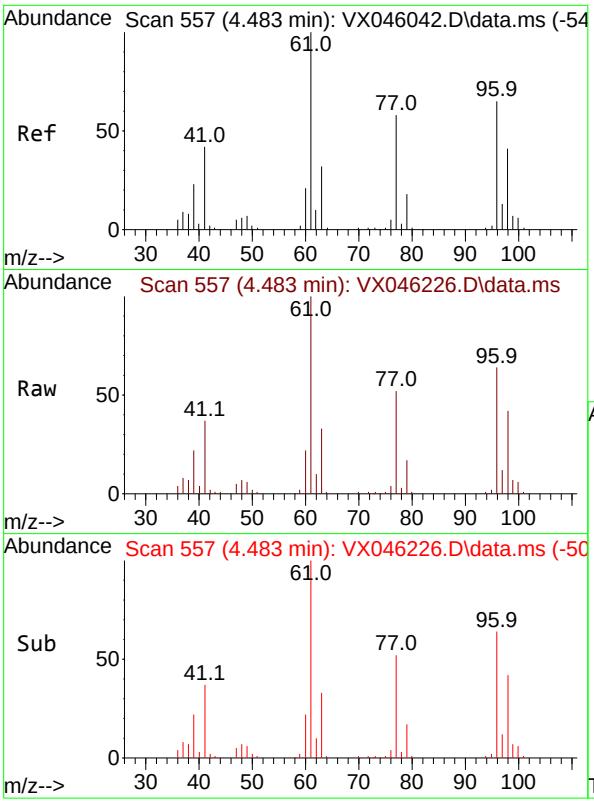


#26
2,2-Dichloropropane
Concen: 44.030 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 77 Resp: 73212

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.5	31.5



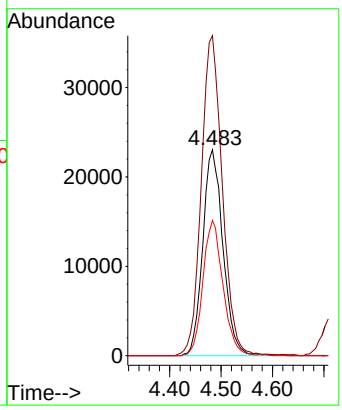


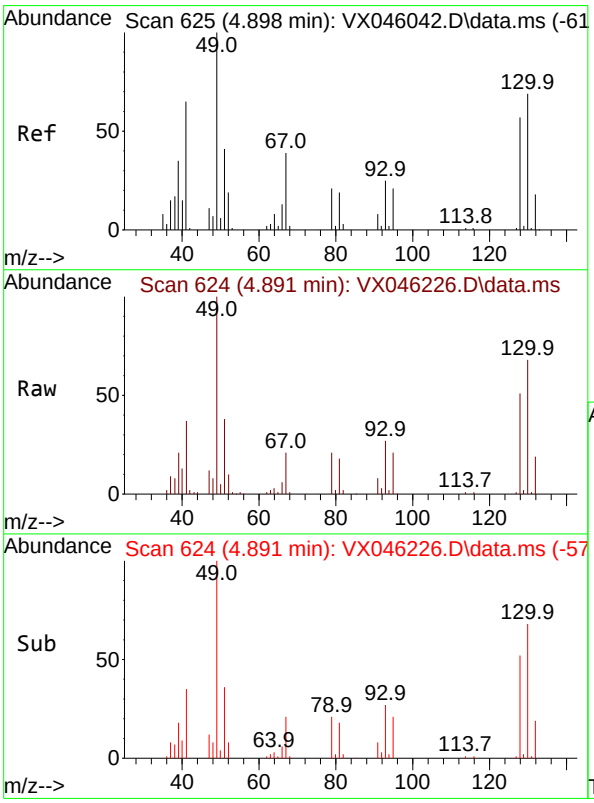
#27
cis-1,2-Dichloroethene
Concen: 50.450 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 63102

Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	322.8
98	64.7	0.0	129.0

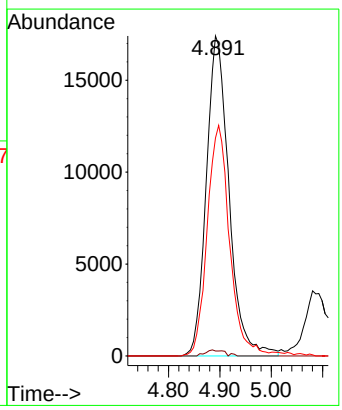


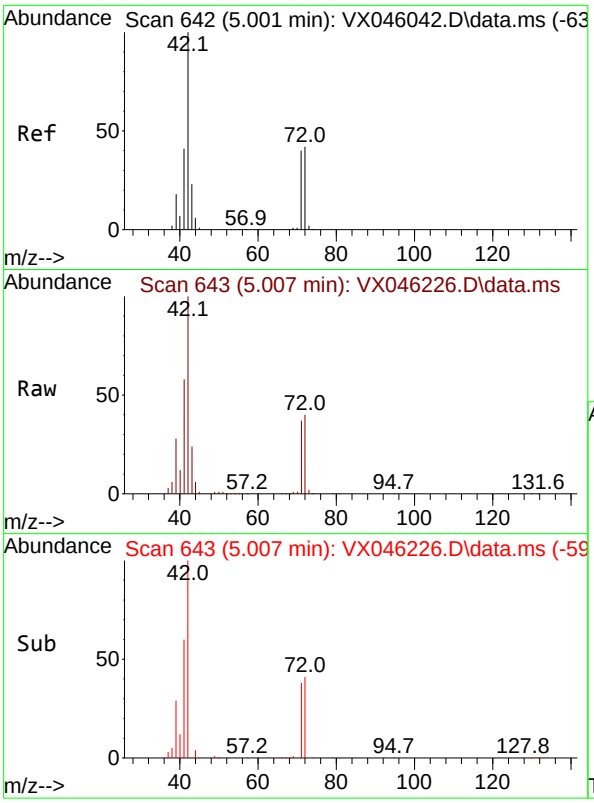


#28
Bromochloromethane
Concen: 52.197 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 49 Resp: 53376

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	70.9	56.2	84.2



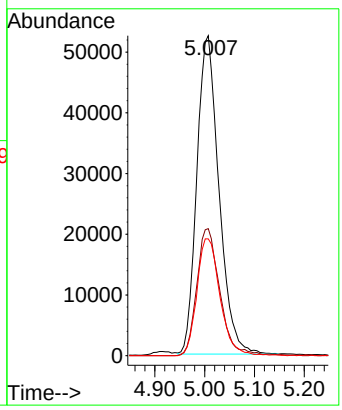


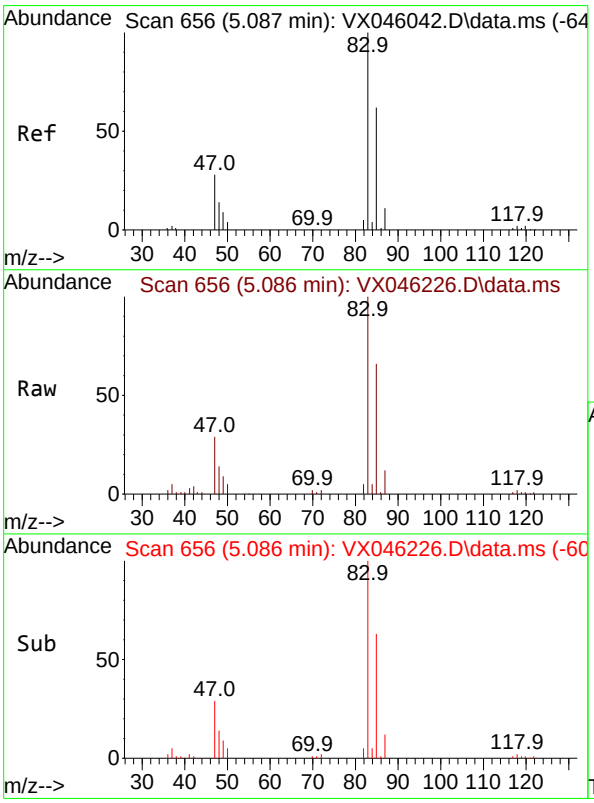
#29
Tetrahydrofuran
Concen: 273.198 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 161875

Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	38.4	31.4	47.2

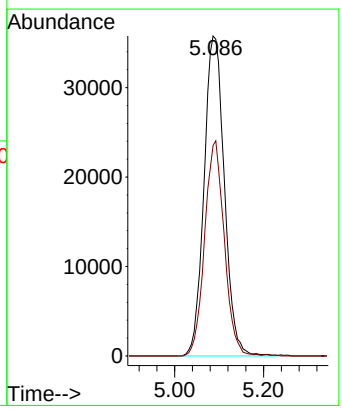


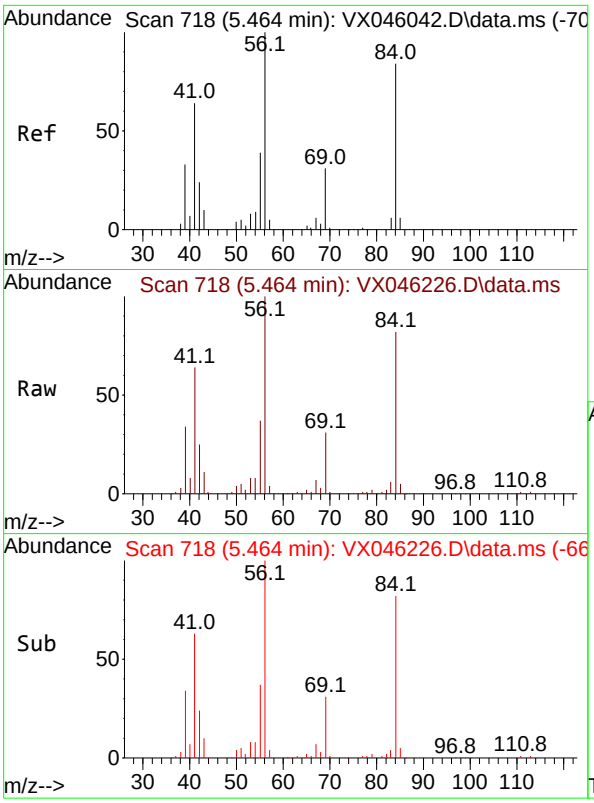


#30
Chloroform
Concen: 51.396 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 83 Resp: 113805

Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.3	73.9



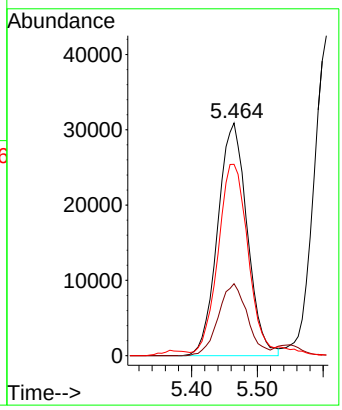


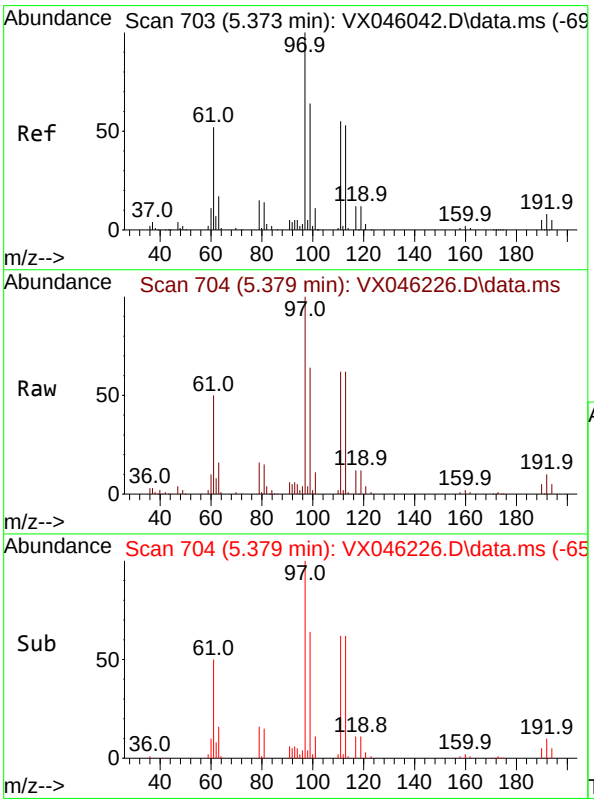
#31
Cyclohexane
Concen: 49.799 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 96406

Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.4	36.6
84	80.1	66.9	100.3

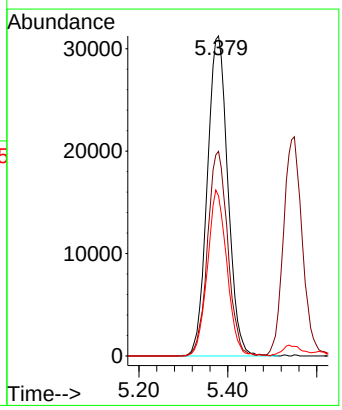


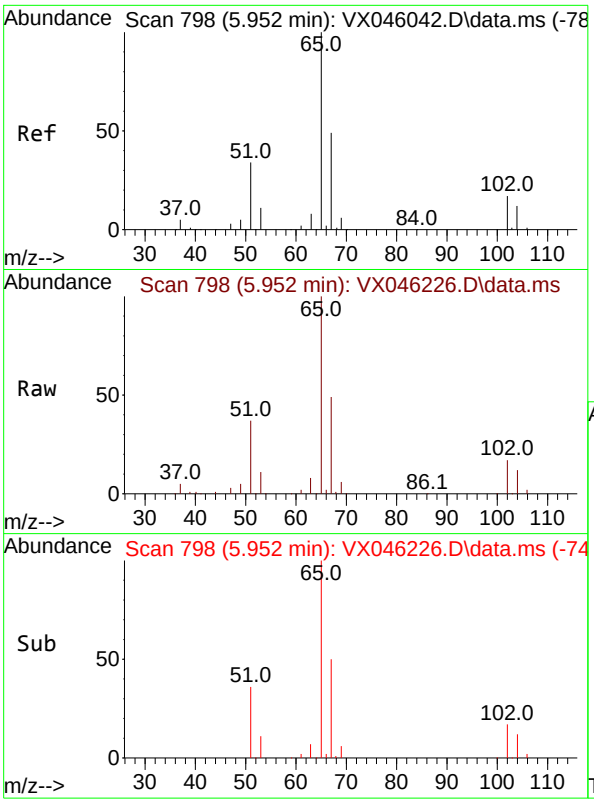


#32
1,1,1-Trichloroethane
Concen: 52.144 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 97 Resp: 100089

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	49.4	40.1	60.1



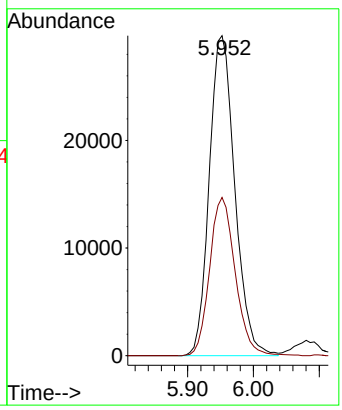


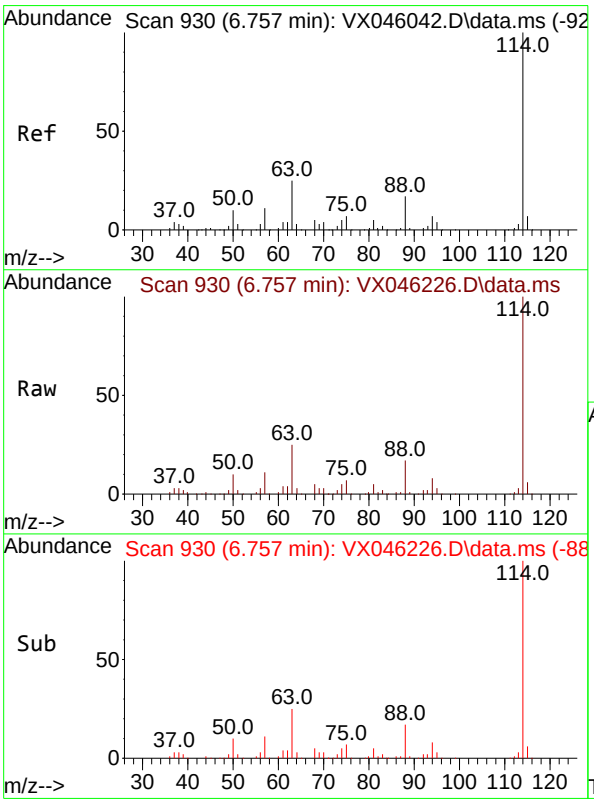
#33
1,2-Dichloroethane-d4
Concen: 49.533 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 80462

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.0

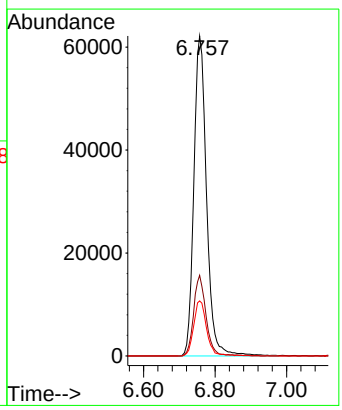


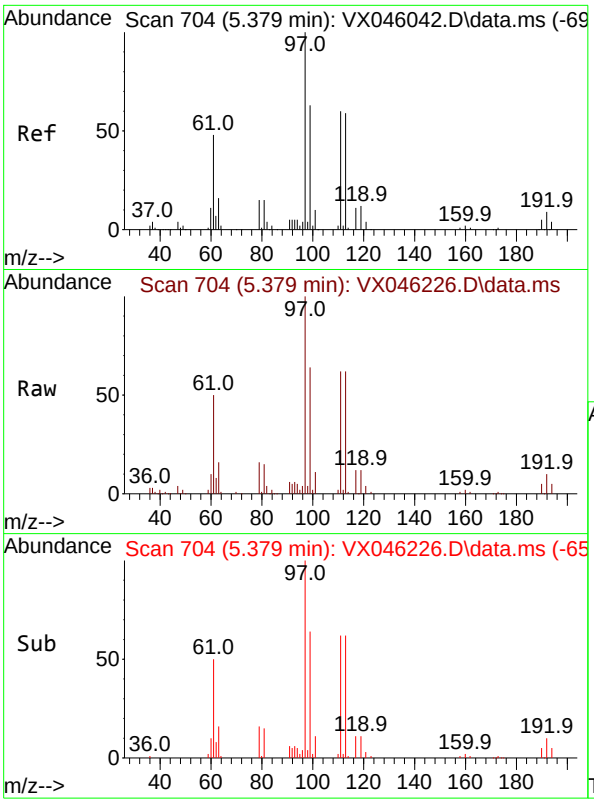


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:114 Resp: 153172

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	17.2	0.0	33.6



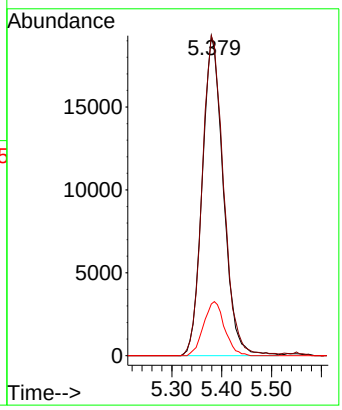


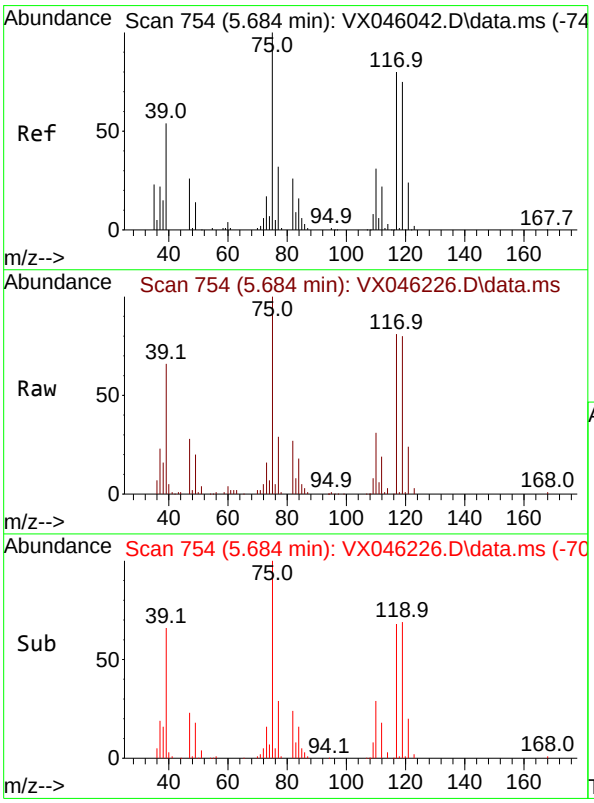
#35
Dibromofluoromethane
Concen: 51.213 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 56488

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.1	124.7
192	16.8	13.3	19.9

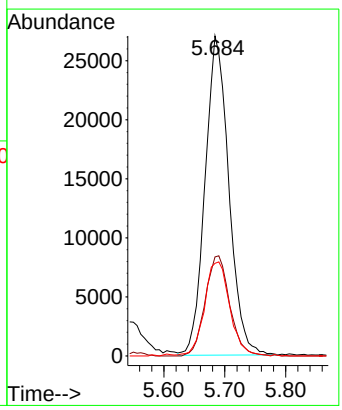


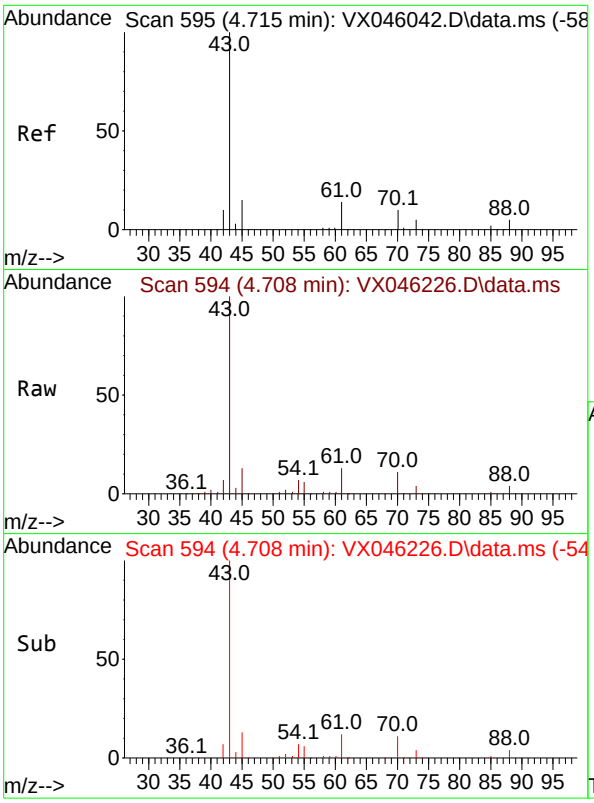


#36
1,1-Dichloropropene
Concen: 49.489 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 73342

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.3	48.9
77	31.4	24.3	36.5



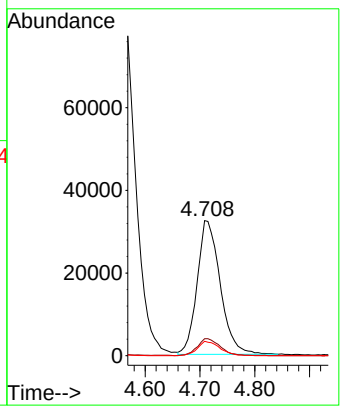


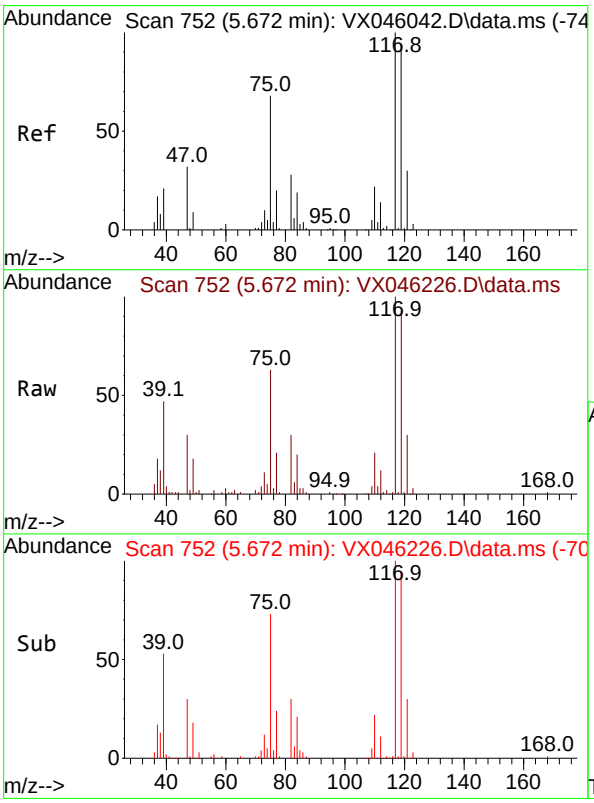
#37
Ethyl Acetate
Concen: 51.877 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 94986

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	10.4	7.9	11.9

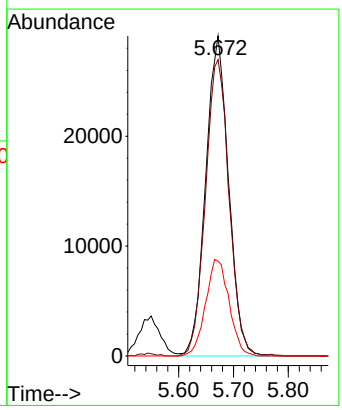


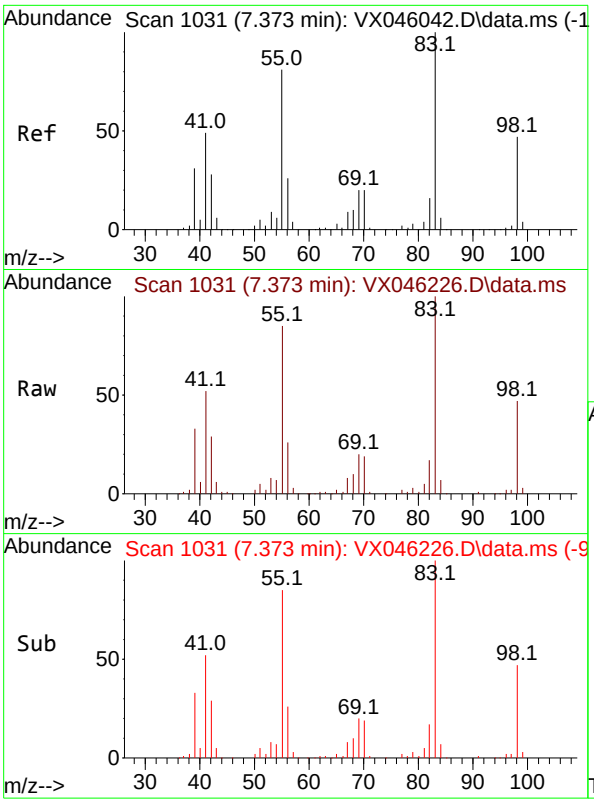


#38
Carbon Tetrachloride
Concen: 50.735 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:117 Resp: 84481

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.2	112.8
121	29.6	24.2	36.4



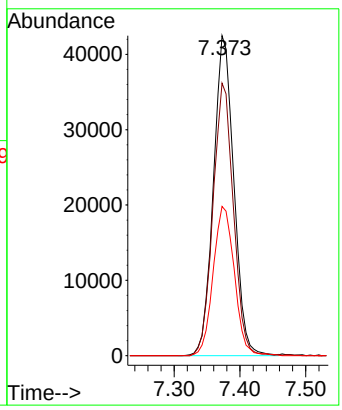


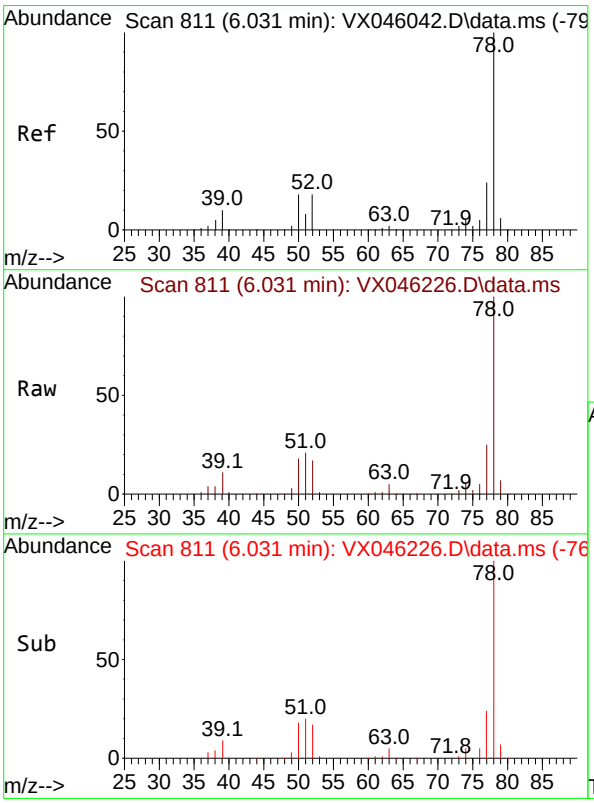
#39
Methylcyclohexane
Concen: 48.176 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 91917

Ion	Ratio	Lower	Upper
83	100		
55	85.2	64.7	97.1
98	46.6	37.4	56.2

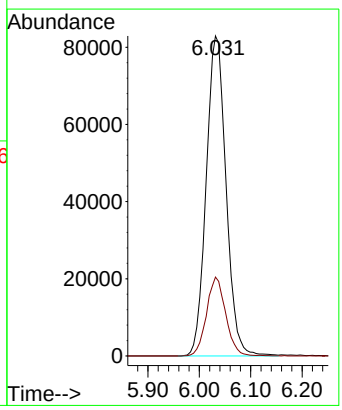


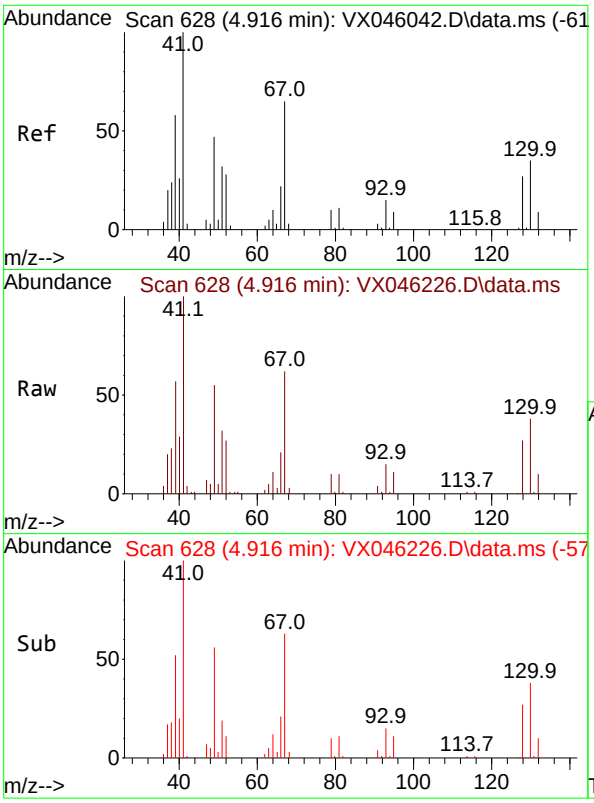


#40
Benzene
Concen: 51.280 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 78 Resp: 222602

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4



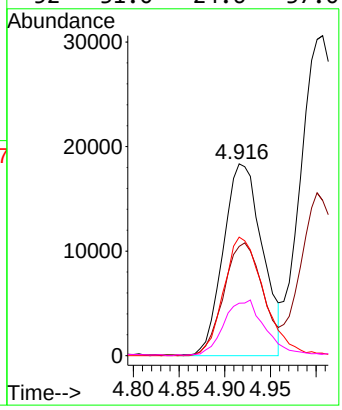


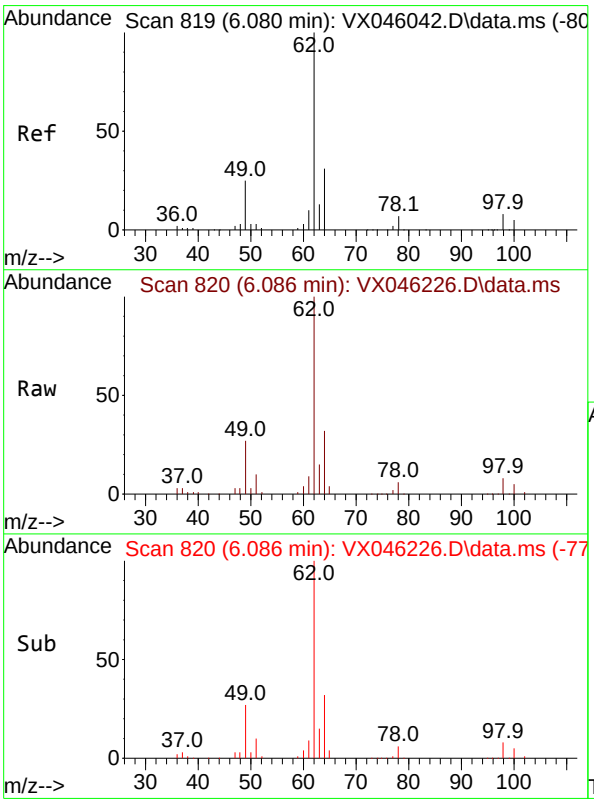
#41
Methacrylonitrile
Concen: 57.029 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 54623

Ion	Ratio	Lower	Upper
41	100		
39	58.7	47.2	70.8
67	63.9	50.7	76.1
52	31.0	24.6	37.0

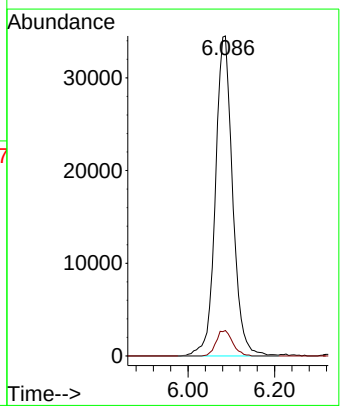


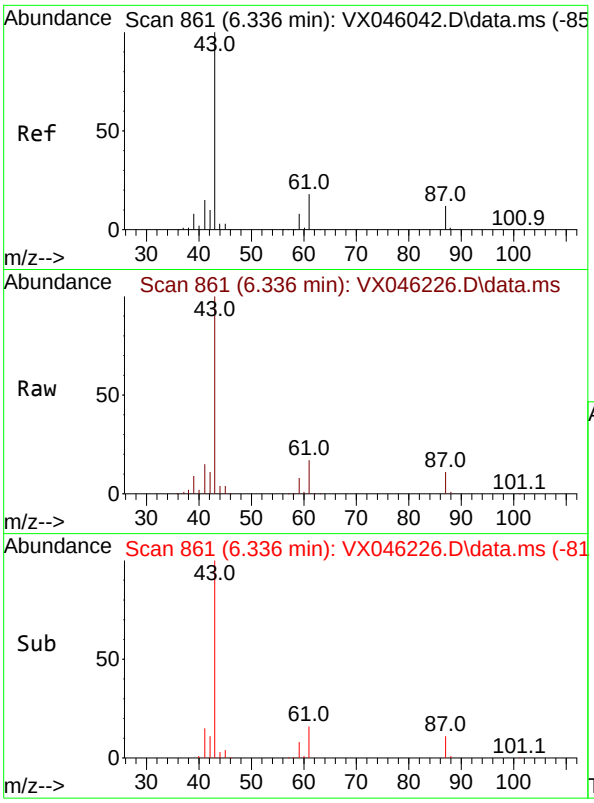


#42
1,2-Dichloroethane
Concen: 51.037 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 62 Resp: 95618

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



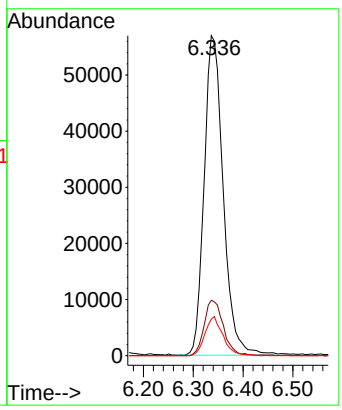


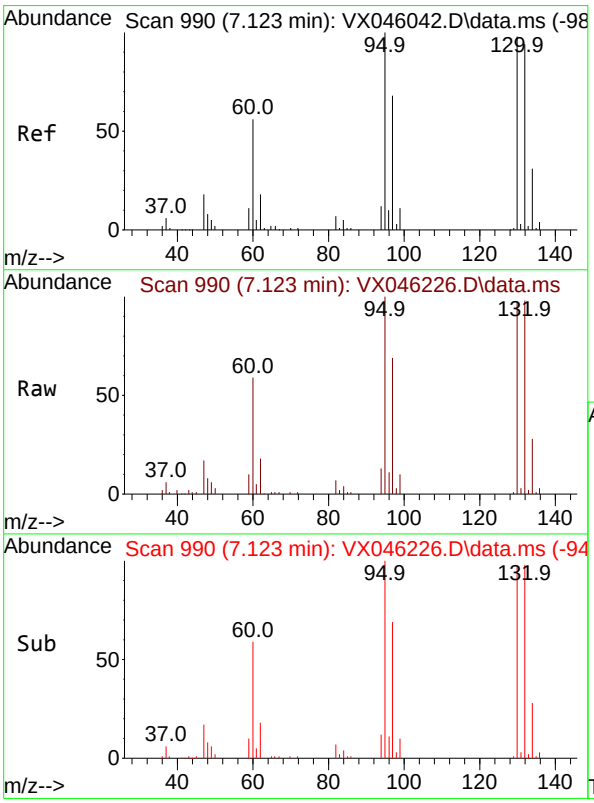
#43
Isopropyl Acetate
Concen: 54.206 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 151413

Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.3	21.5
87	11.5	9.5	14.3

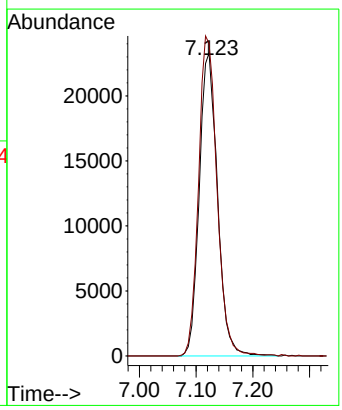


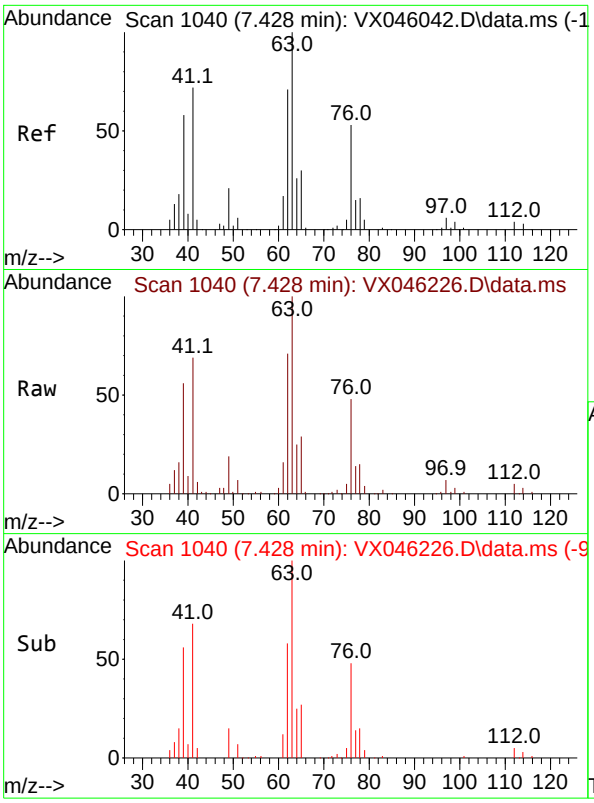


#44
Trichloroethene
Concen: 49.769 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:130 Resp: 51997

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	204.2



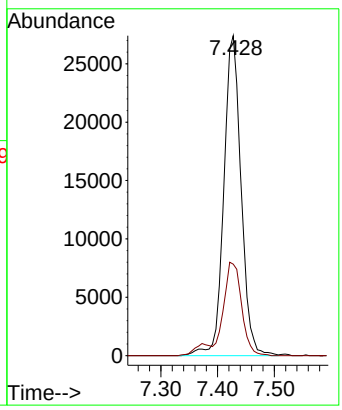


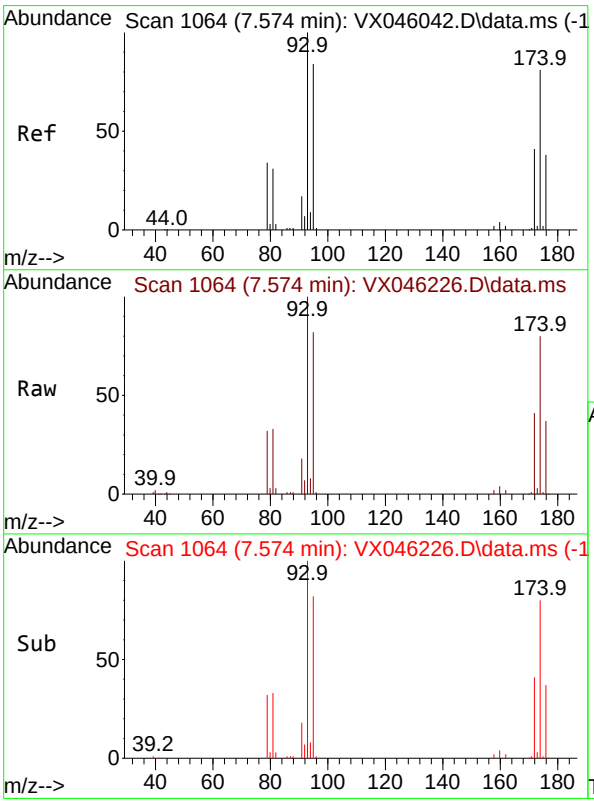
#45
1,2-Dichloropropane
Concen: 53.759 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 58027

Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.1	36.1

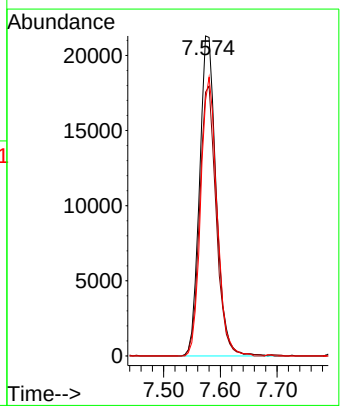


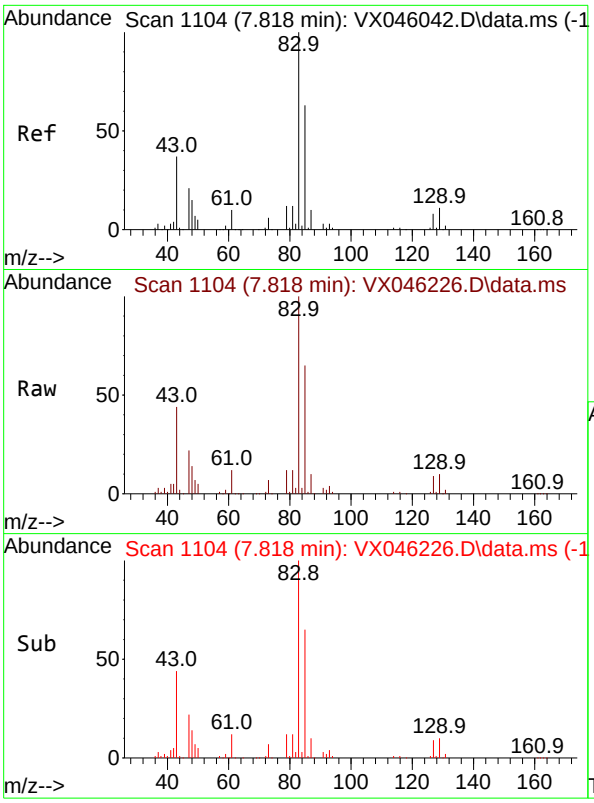


#46
Dibromomethane
Concen: 50.931 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 93 Resp: 43359

Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.6	98.4
174	85.4	68.2	102.2



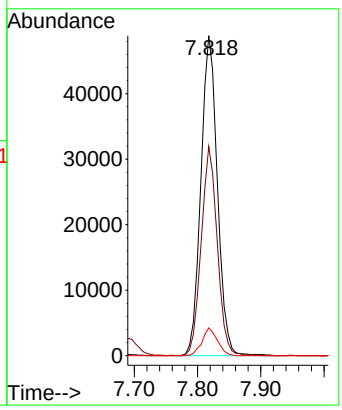


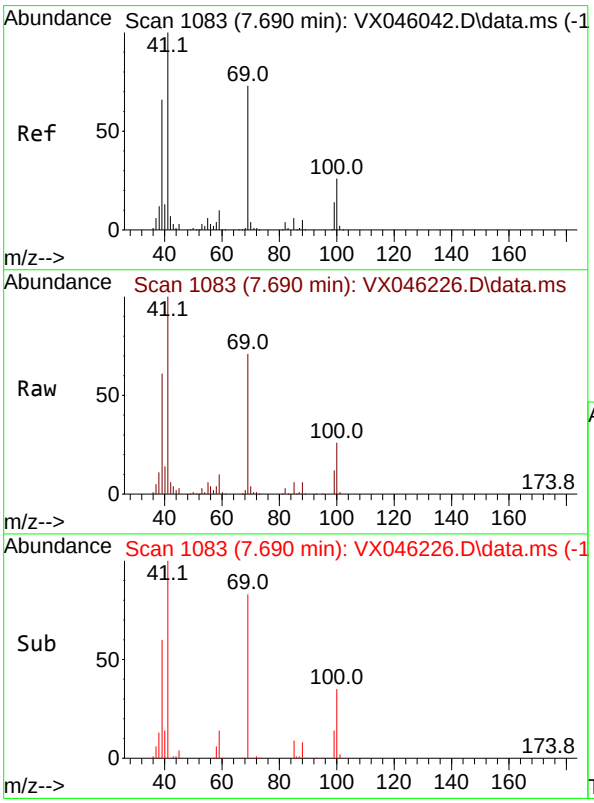
#47
Bromodichloromethane
Concen: 52.911 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 88719

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.5	75.7
127	8.7	6.5	9.7

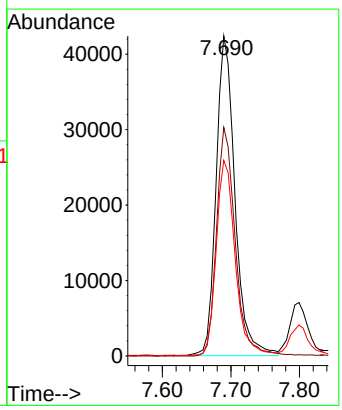


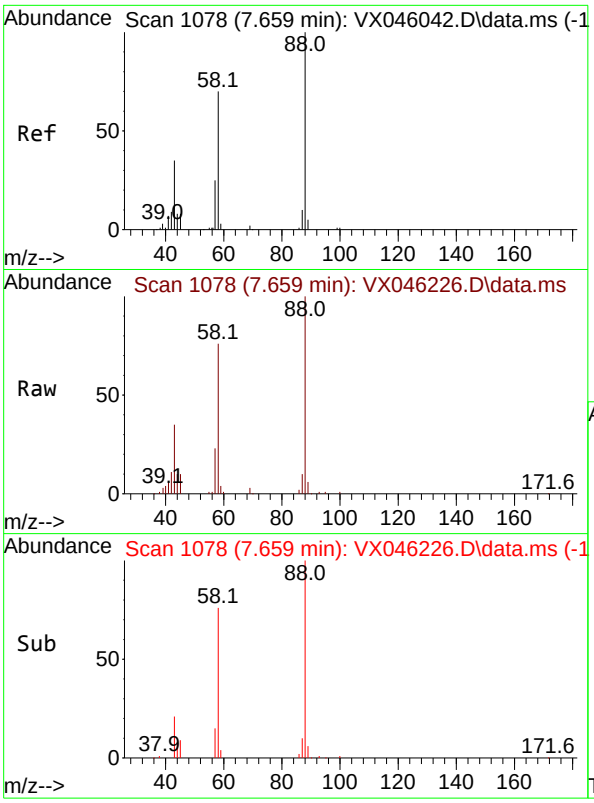


#48
Methyl methacrylate
Concen: 56.485 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 41 Resp: 80579

Ion	Ratio	Lower	Upper
41	100		
69	71.4	58.5	87.7
39	62.3	51.7	77.5



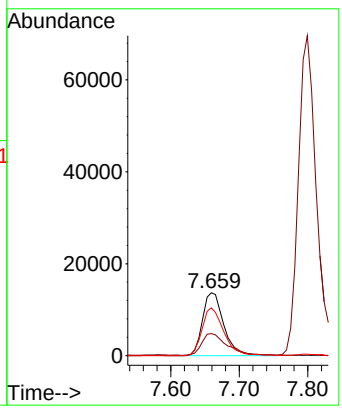


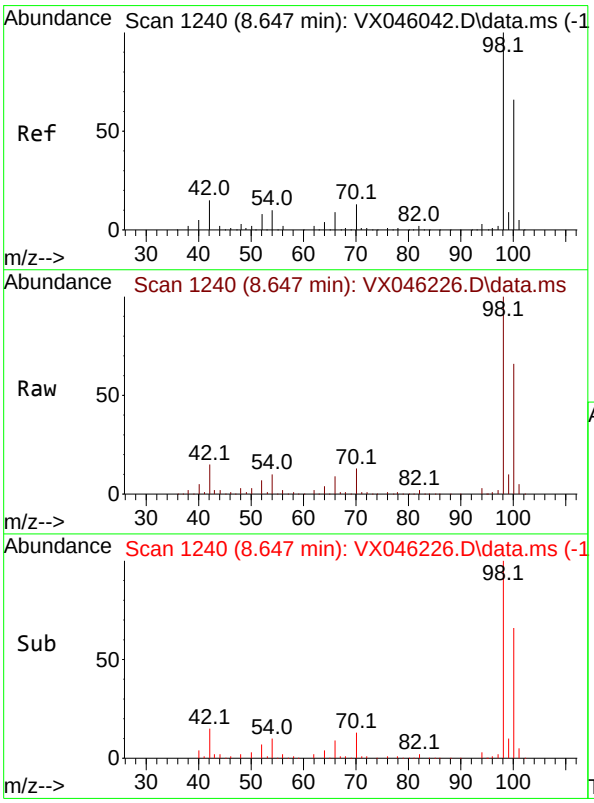
#49
1,4-Dioxane
Concen: 1087.625 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 29460

Ion	Ratio	Lower	Upper
88	100		
43	41.5	33.4	50.2
58	77.6	58.6	88.0

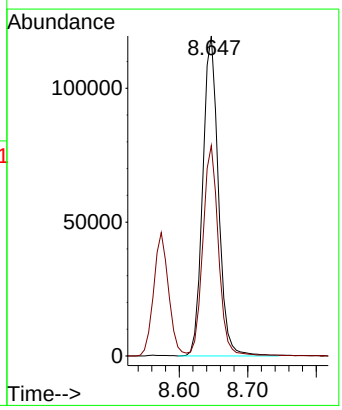


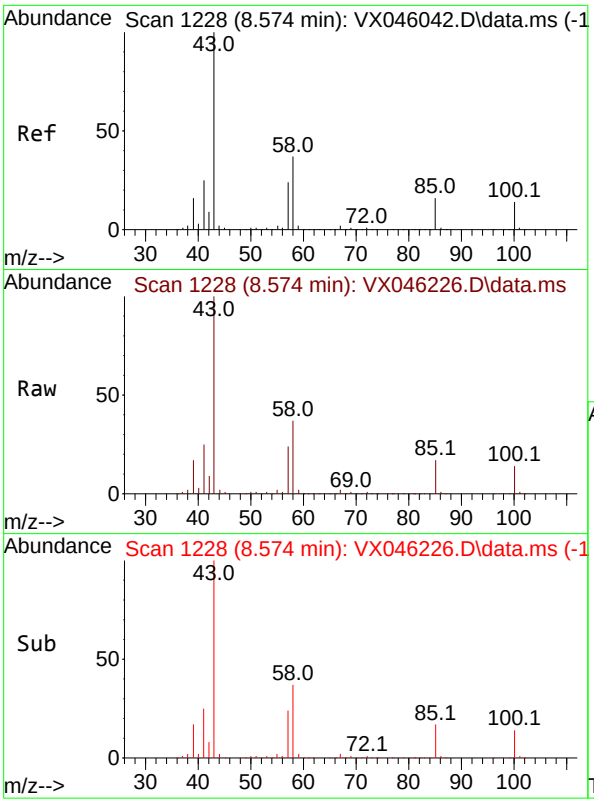


#50
Toluene-d8
Concen: 49.825 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 98 Resp: 190215

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.5	80.3



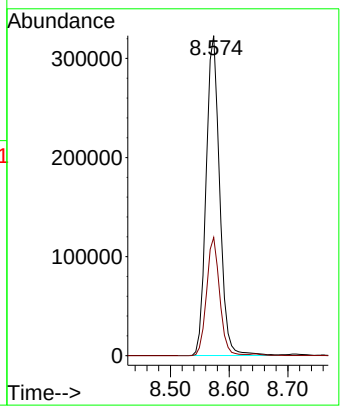


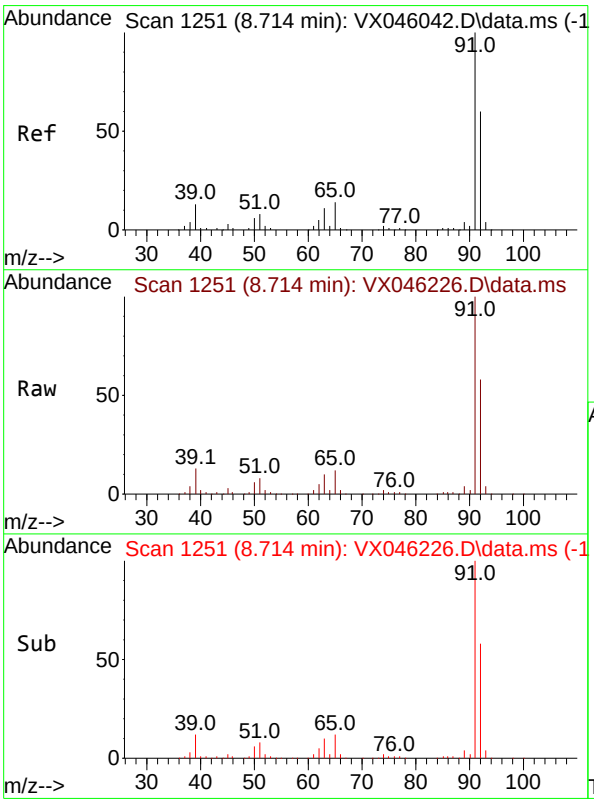
#51
4-Methyl-2-Pentanone
Concen: 279.132 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 517553

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.9	43.3

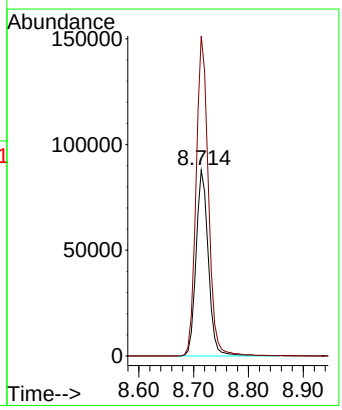


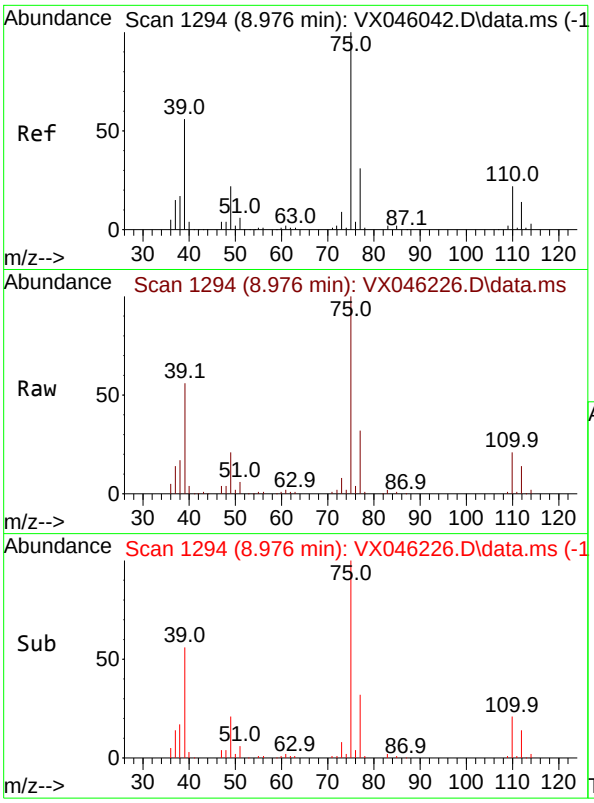


#52
Toluene
Concen: 51.520 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 92 Resp: 137133

Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.6	205.0



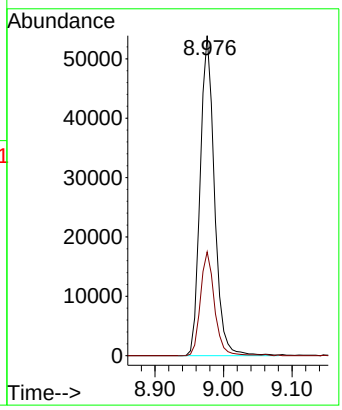


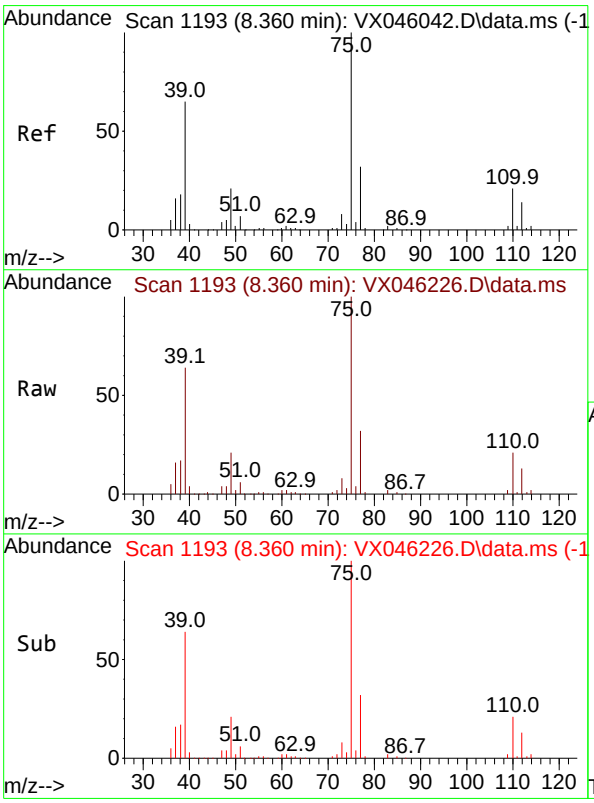
#53
t-1,3-Dichloropropene
Concen: 52.535 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 78297

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6

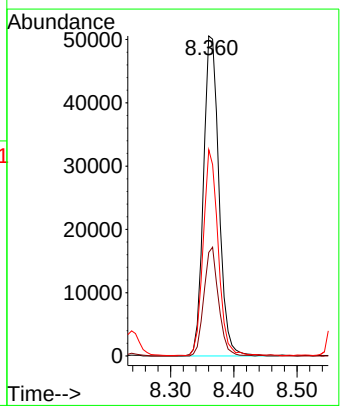


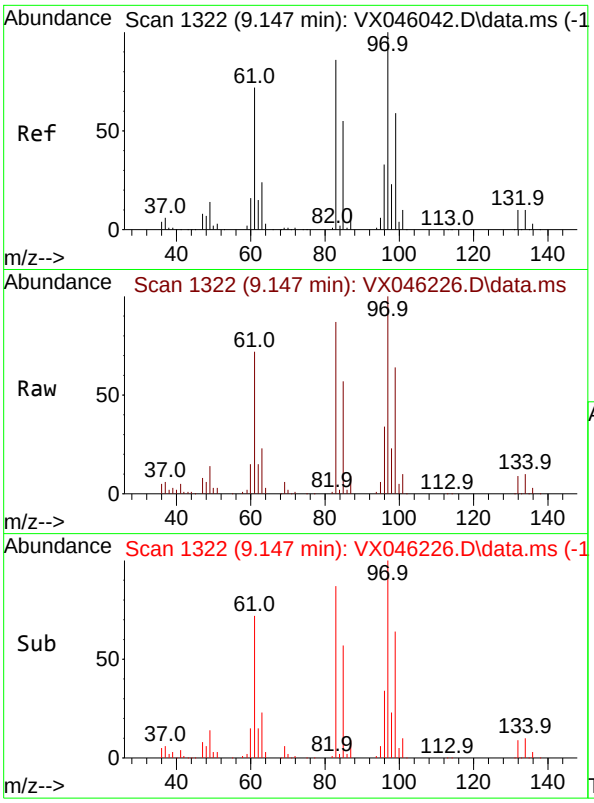


#54
cis-1,3-Dichloropropene
Concen: 52.332 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 86203

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0
39	64.3	52.2	78.4



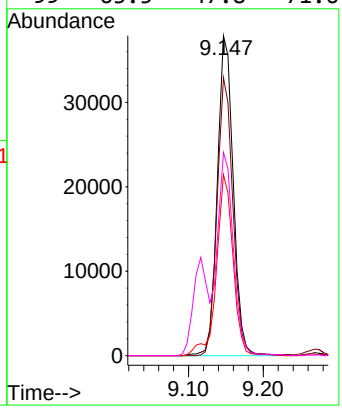


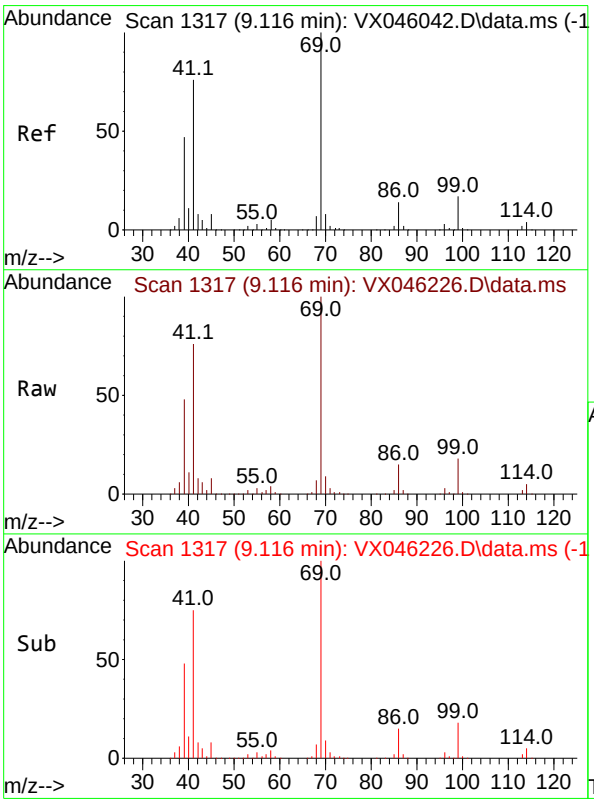
#55
1,1,2-Trichloroethane
Concen: 53.584 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 56239

Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	56.6	44.3	66.5
99	63.5	47.8	71.6

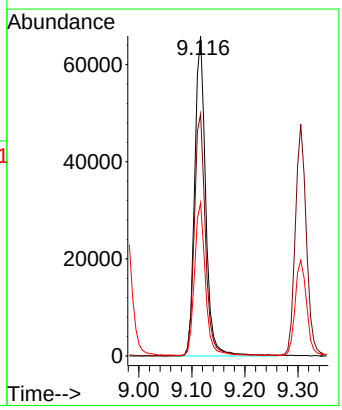


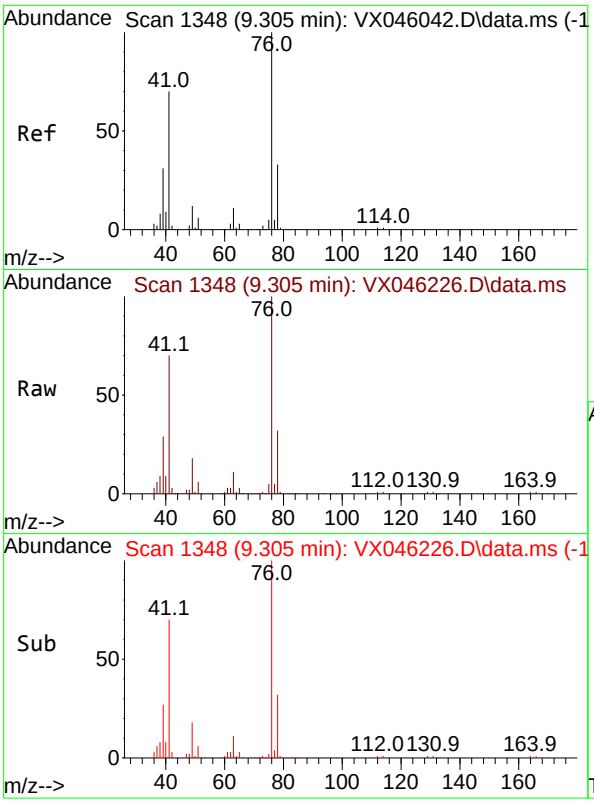


#56
Ethyl methacrylate
Concen: 56.672 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 69 Resp: 94798

Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.8	91.2
39	47.3	39.0	58.6



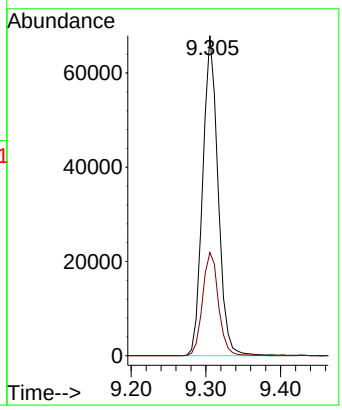


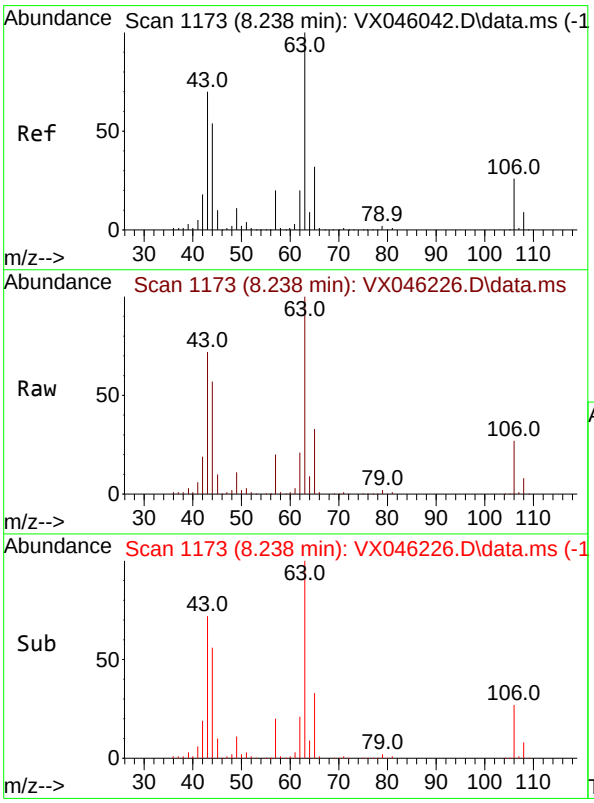
#57
1,3-Dichloropropane
Concen: 51.288 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 96673

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.3	39.5

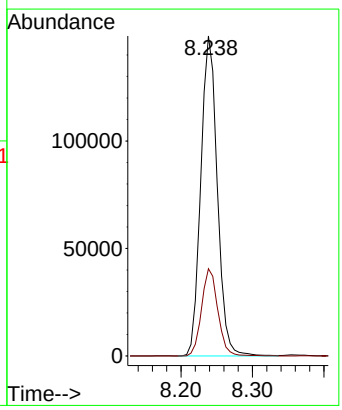


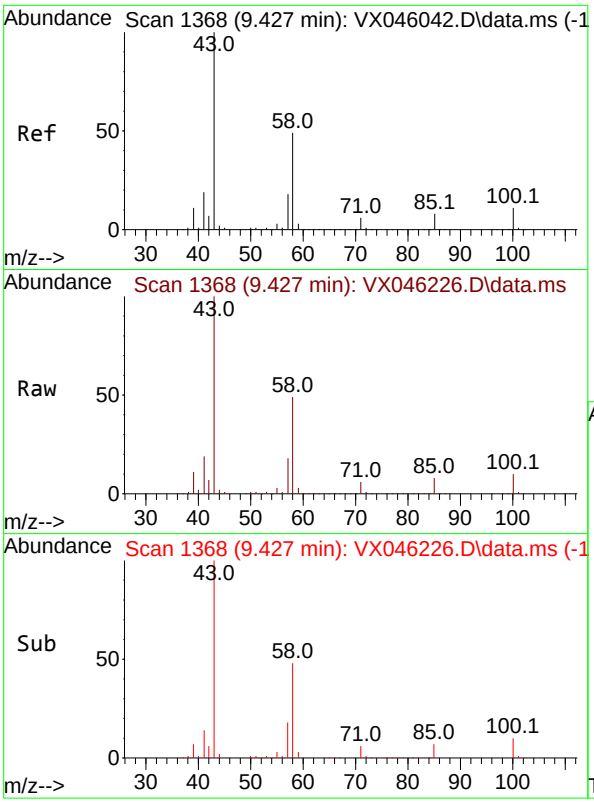


#58
2-Chloroethyl Vinyl ether
Concen: 279.889 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 63 Resp: 238687

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.5	32.3



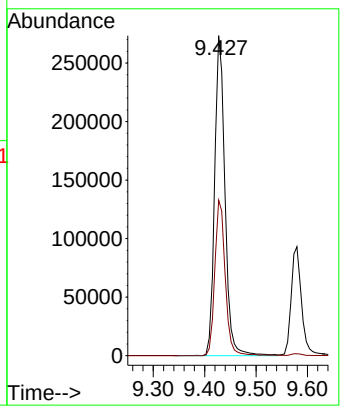


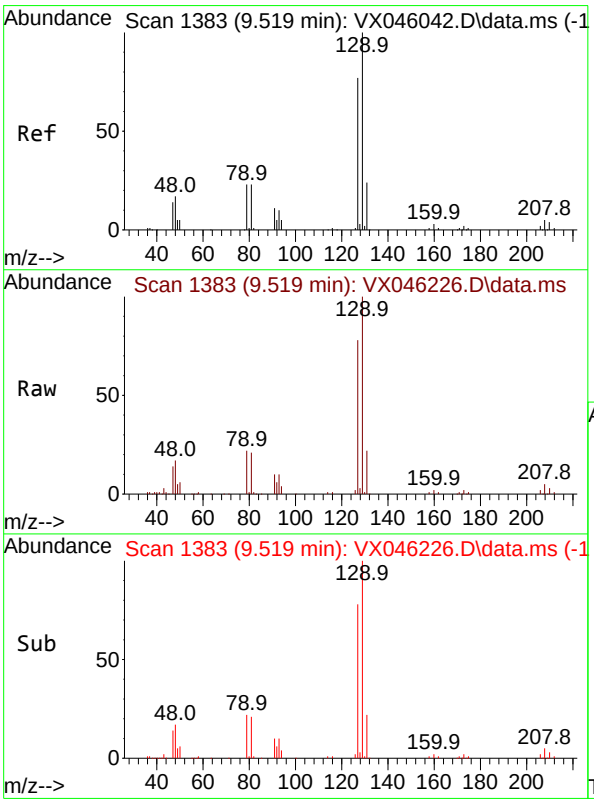
#59
2-Hexanone
Concen: 278.290 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 381749

Ion	Ratio	Lower	Upper
43	100		
58	49.2	24.9	74.6

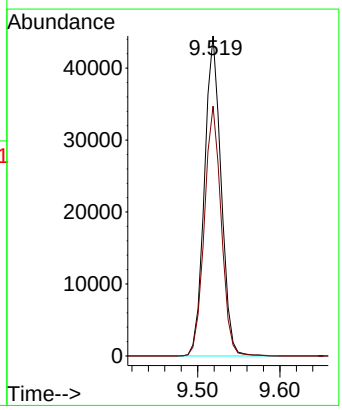


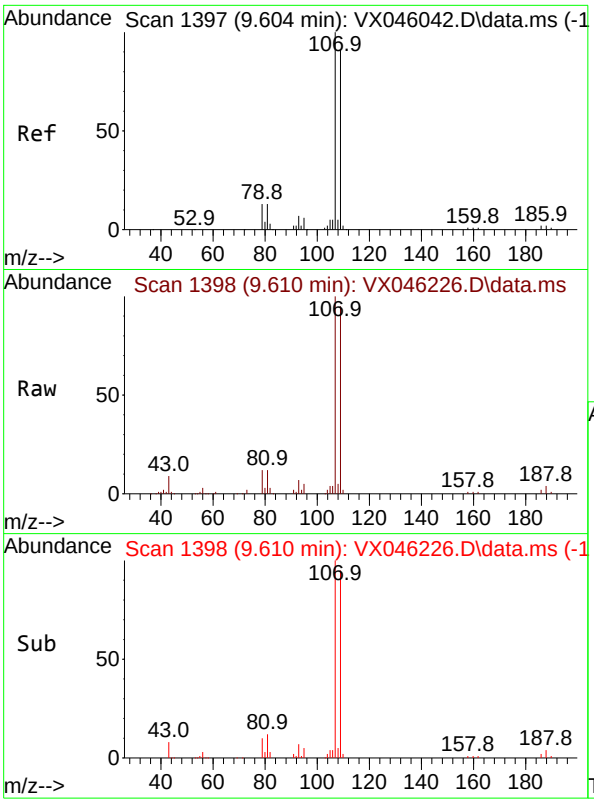


#60
Dibromochloromethane
Concen: 54.211 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:129 Resp: 62486

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8



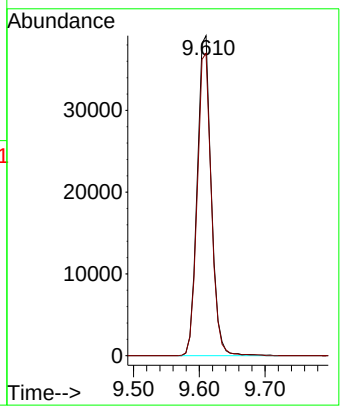


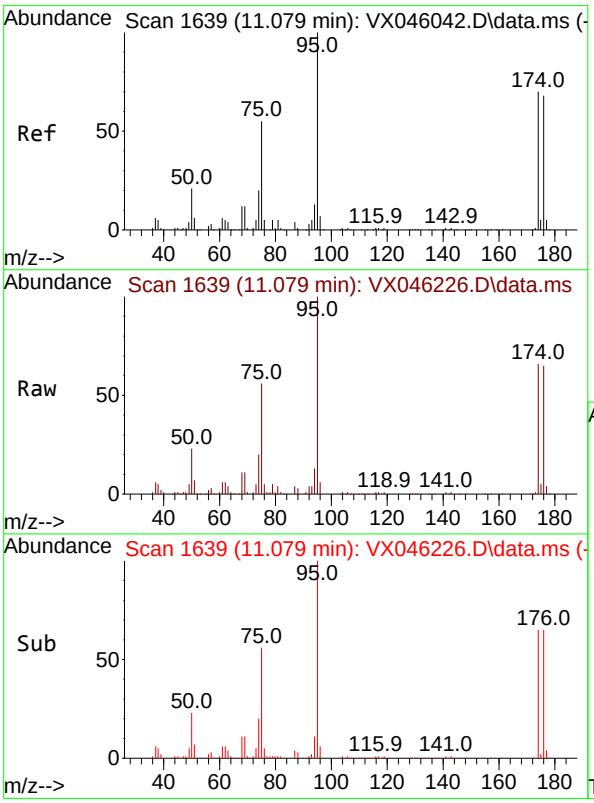
#61
1,2-Dibromoethane
Concen: 53.041 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 57860

Ion	Ratio	Lower	Upper
107	100		
109	95.0	73.3	109.9

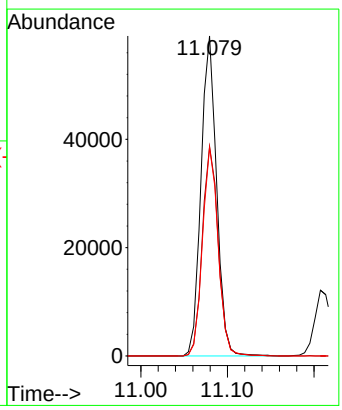


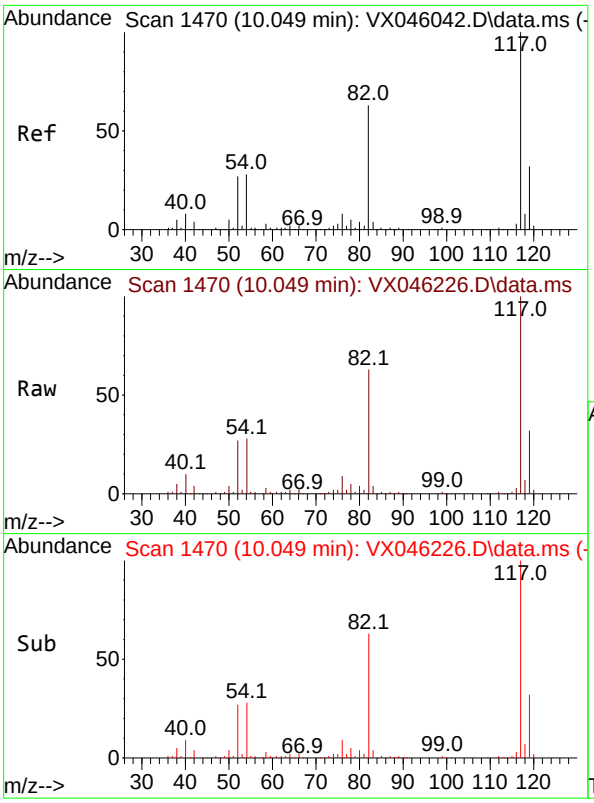


#62
4-Bromofluorobenzene
Concen: 50.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 95 Resp: 73881

Ion	Ratio	Lower	Upper
95	100		
174	66.8	0.0	135.8
176	65.3	0.0	131.4



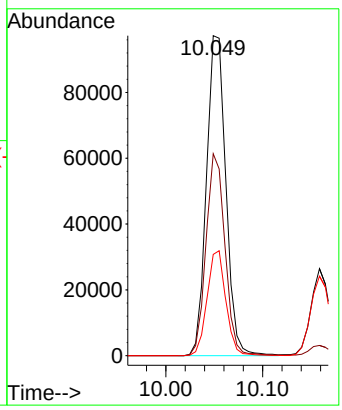


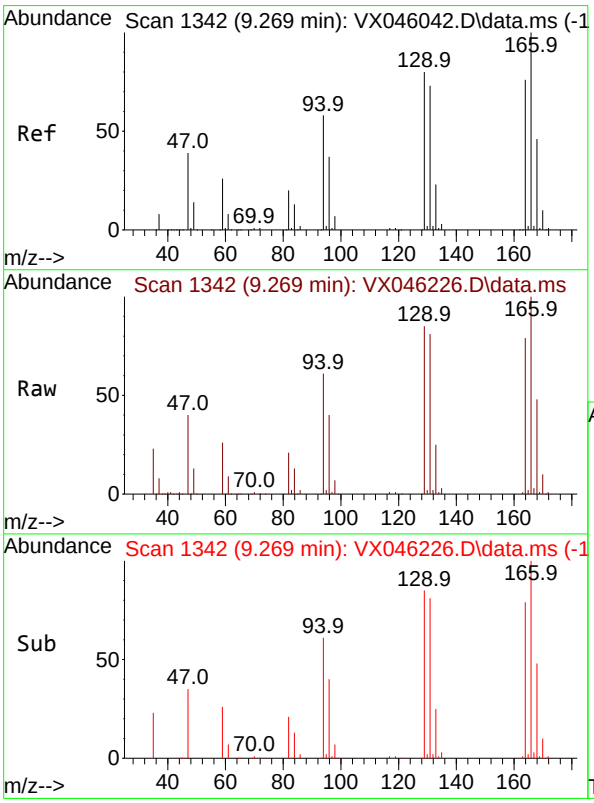
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 135980

Ion	Ratio	Lower	Upper
117	100		
82	63.1	50.6	76.0
119	31.7	25.8	38.6

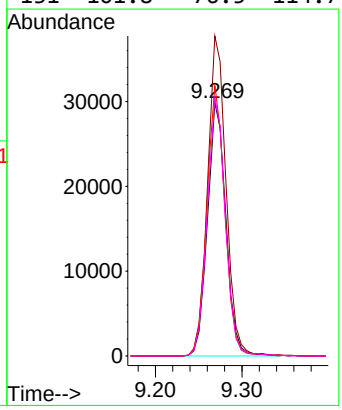


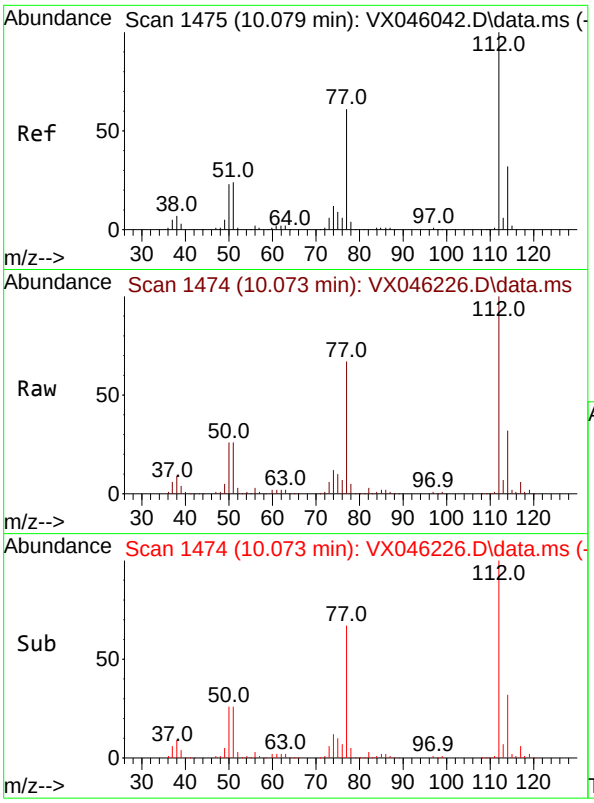


#64
Tetrachloroethene
Concen: 45.780 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:164 Resp: 44046

Ion	Ratio	Lower	Upper
164	100		
166	126.4	105.0	157.6
129	106.9	83.5	125.3
131	101.8	76.5	114.7



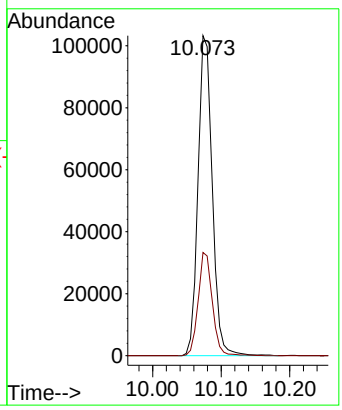


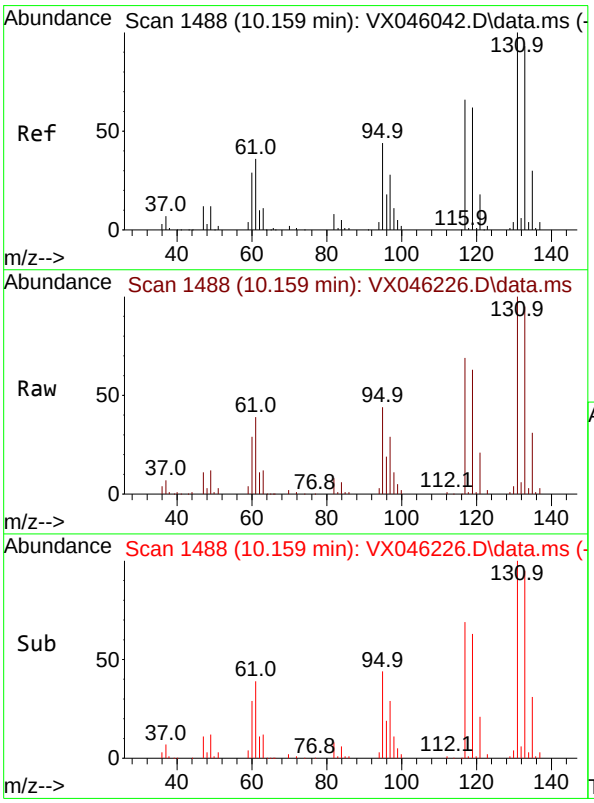
#65
Chlorobenzene
Concen: 50.311 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 149740

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.2

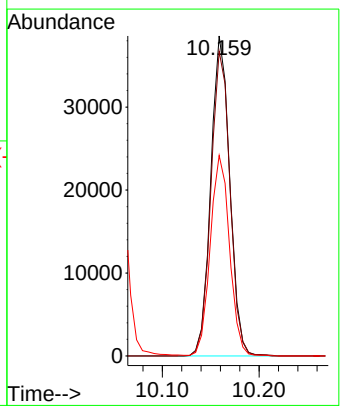


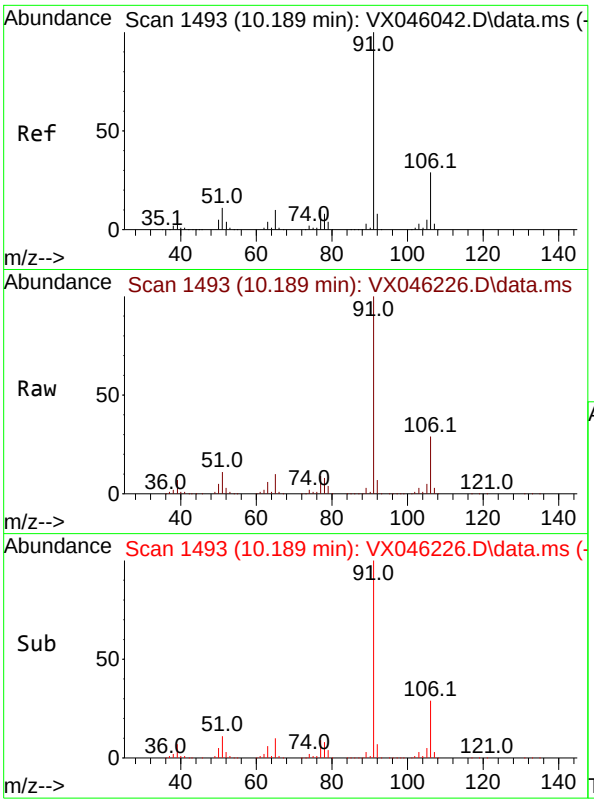


#66
1,1,1,2-Tetrachloroethane
Concen: 51.595 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:131 Resp: 52436

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	141.9
119	63.9	31.6	95.0



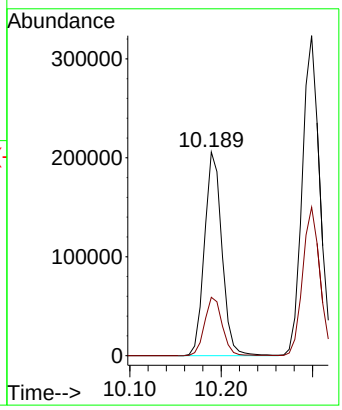


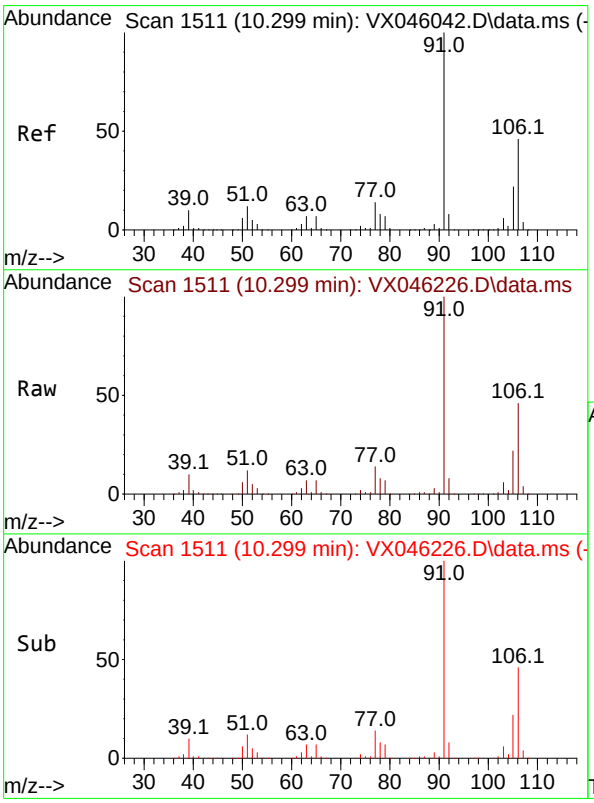
#67
Ethyl Benzene
Concen: 51.845 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 271996

Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.4	35.2

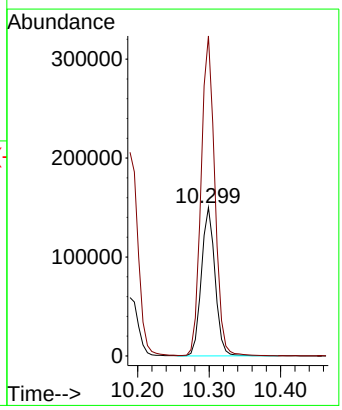


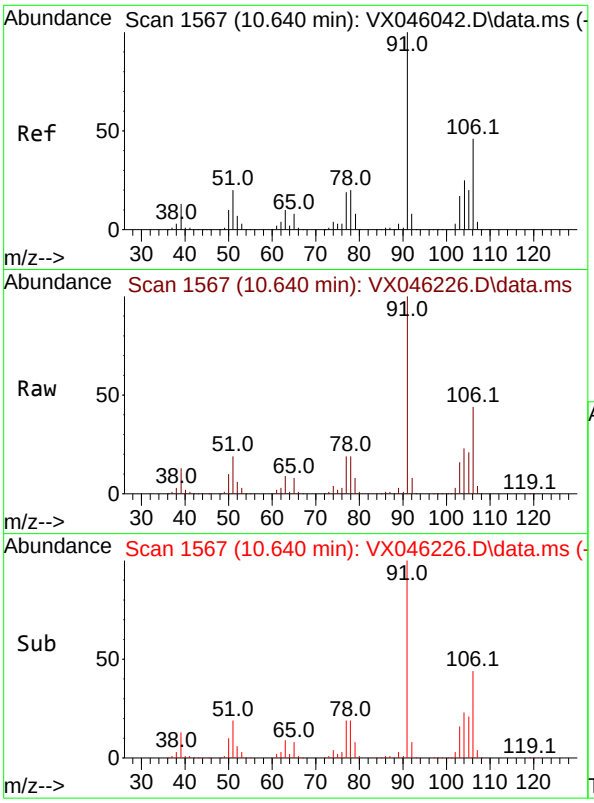


#68
m/p-Xylenes
Concen: 103.822 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:106 Resp: 199216

Ion	Ratio	Lower	Upper
106	100		
91	216.8	171.2	256.8



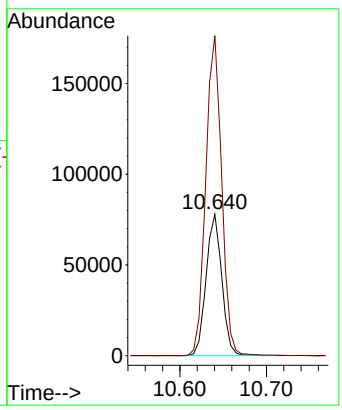


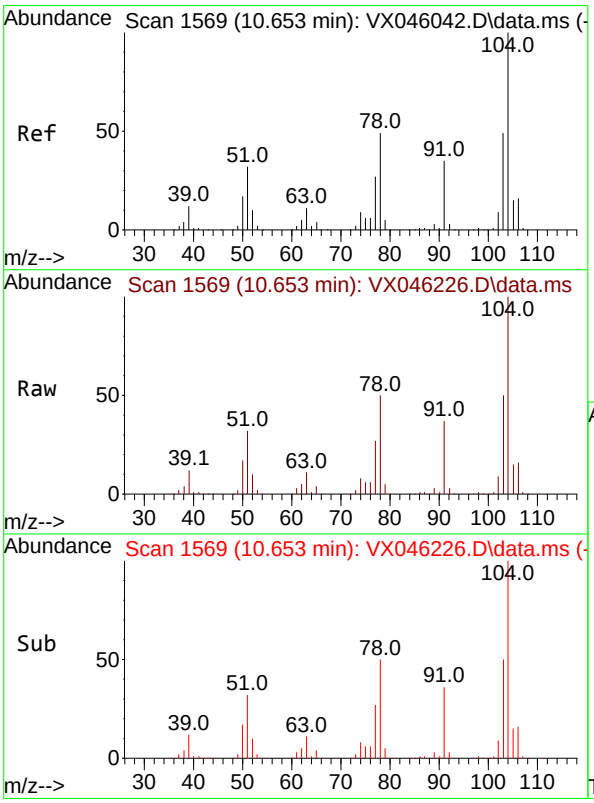
#69
o-Xylene
Concen: 52.440 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 98098

Ion	Ratio	Lower	Upper
106	100		
91	230.0	112.7	338.1

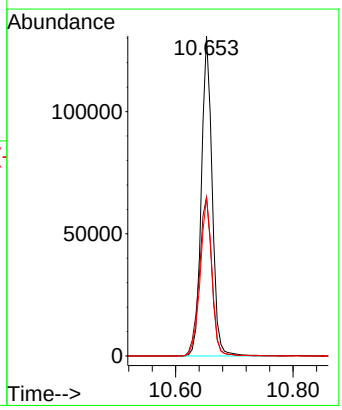


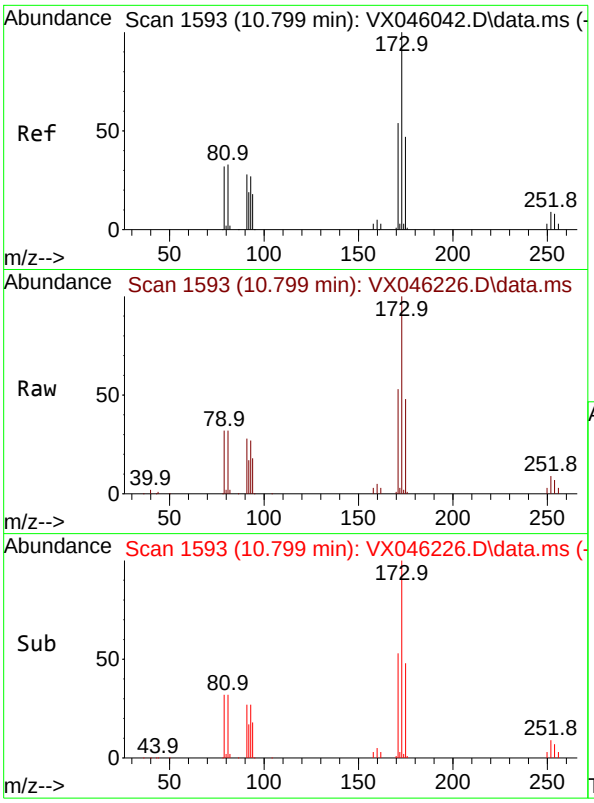


#70
Styrene
Concen: 54.336 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:104 Resp: 166504

Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.7	68.5
103	54.3	43.7	65.5



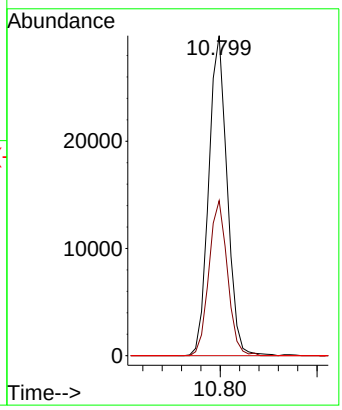


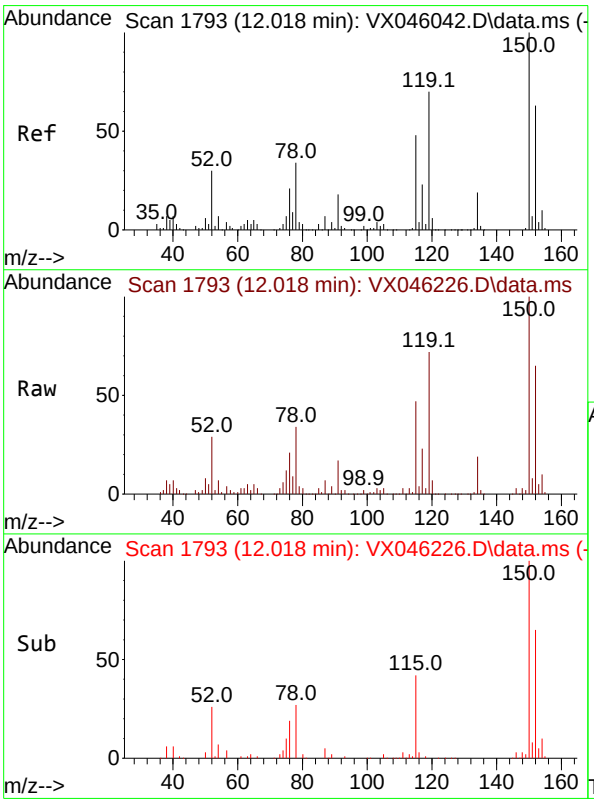
#71
Bromoform
Concen: 51.668 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 39424

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.4	70.0
254	0.0	0.0	0.0

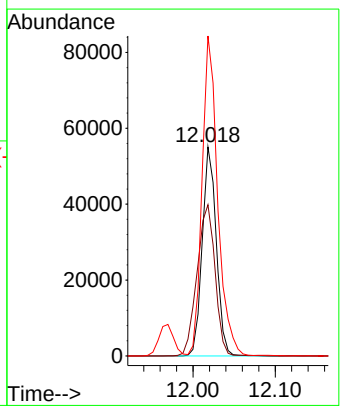


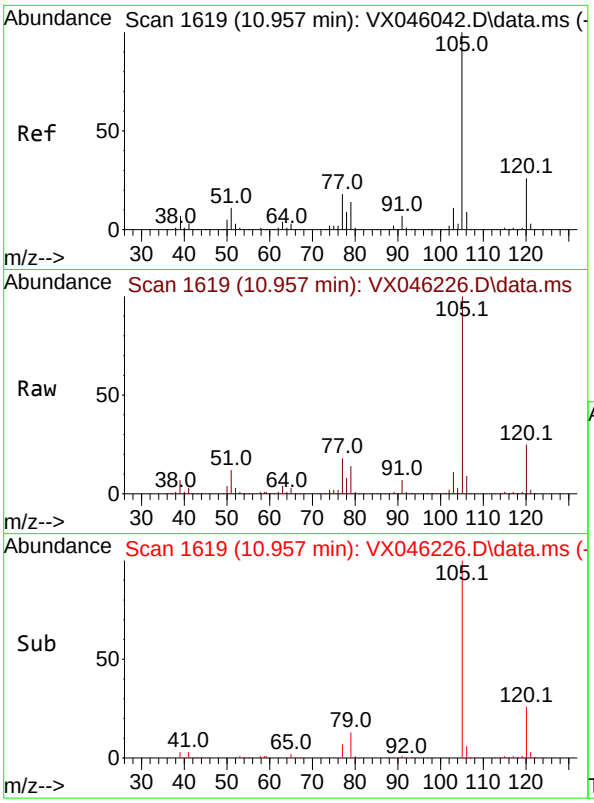


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:152 Resp: 65394

Ion	Ratio	Lower	Upper
152	100		
115	92.8	46.9	140.7
150	170.3	0.0	351.0



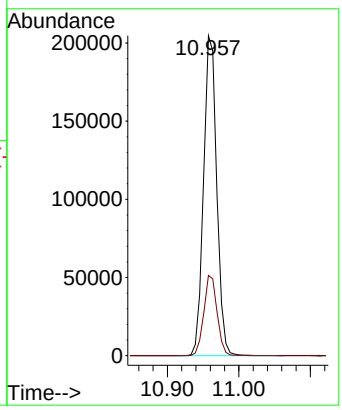


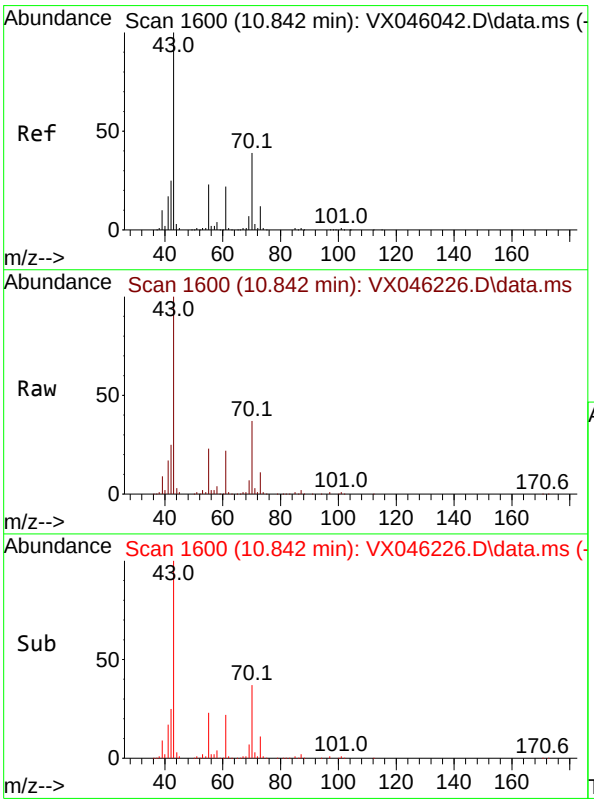
#73
Isopropylbenzene
Concen: 51.524 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 262316

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

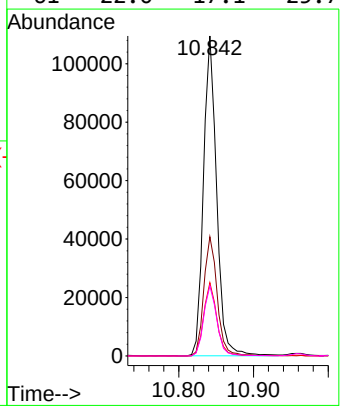


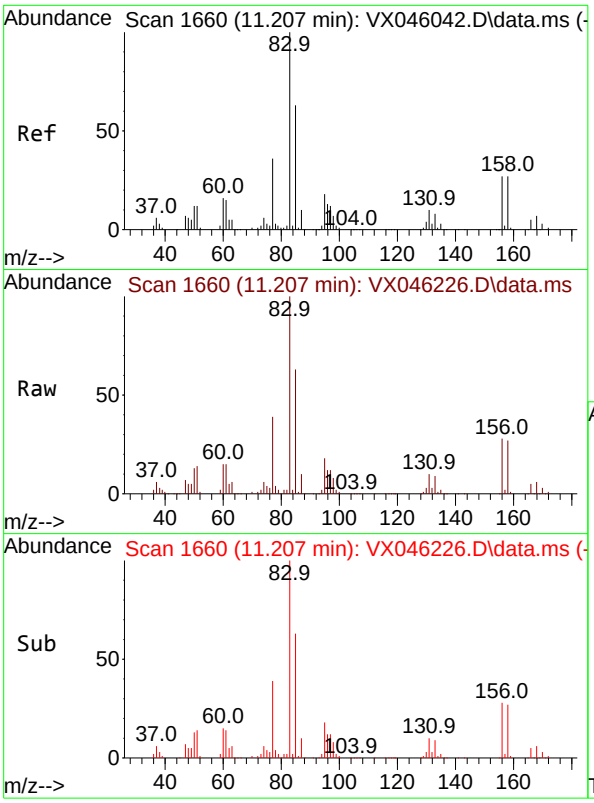


#74
N-amyl acetate
Concen: 53.064 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 43 Resp: 133496

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.9	46.3
55	23.2	18.7	28.1
61	22.0	17.1	25.7



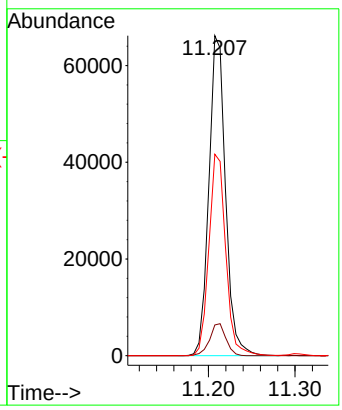


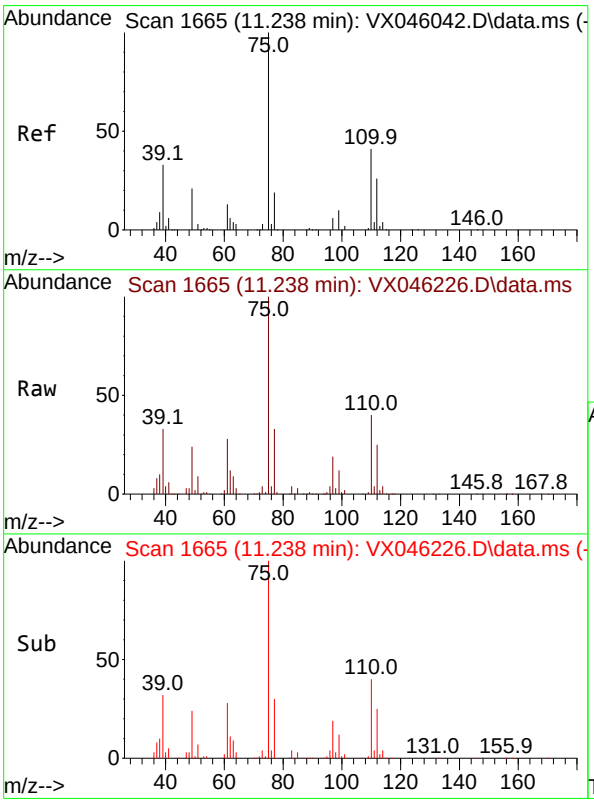
#75
1,1,2,2-Tetrachloroethane
Concen: 49.564 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 88427

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	63.6	31.9	95.7

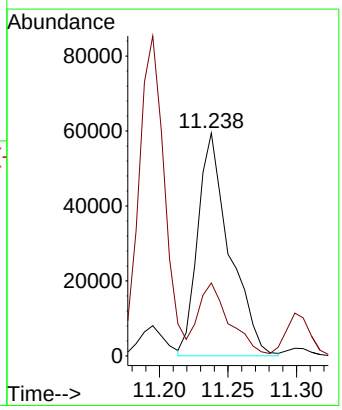


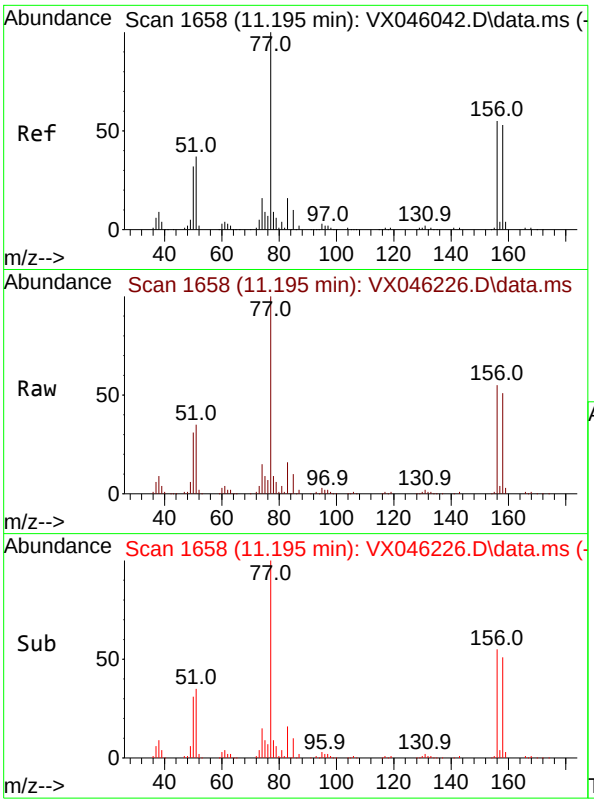


#76
1,2,3-Trichloropropane
Concen: 60.971 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 95973

Ion	Ratio	Lower	Upper
75	100		
77	32.3	20.5	61.5



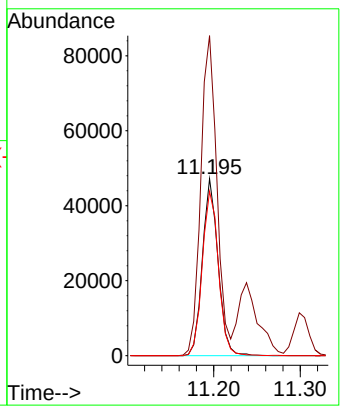


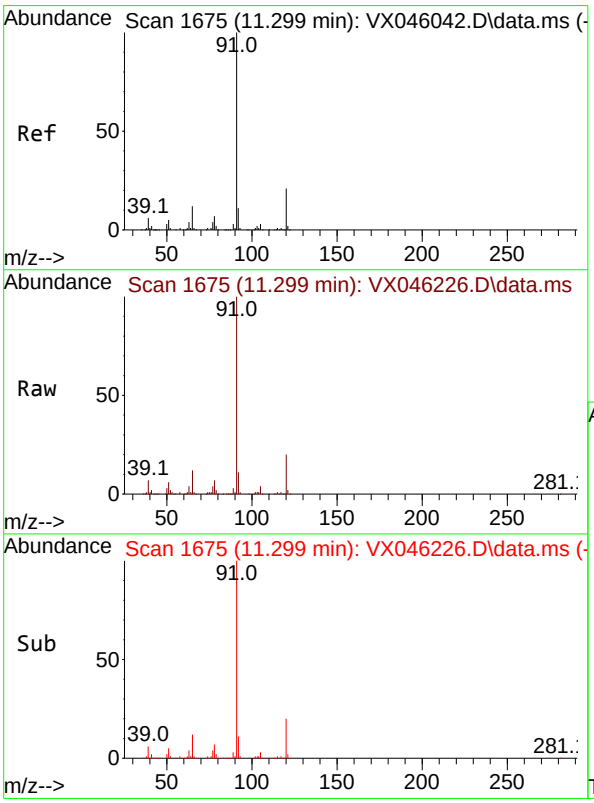
#77
Bromobenzene
Concen: 50.050 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 59157

Ion	Ratio	Lower	Upper
156	100		
77	186.7	92.8	278.3
158	96.3	48.8	146.3

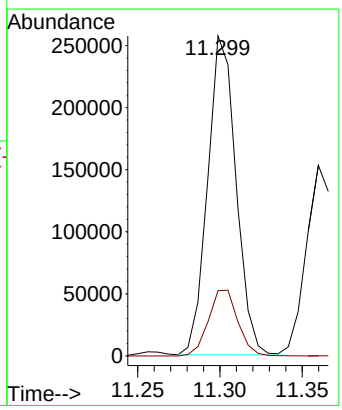


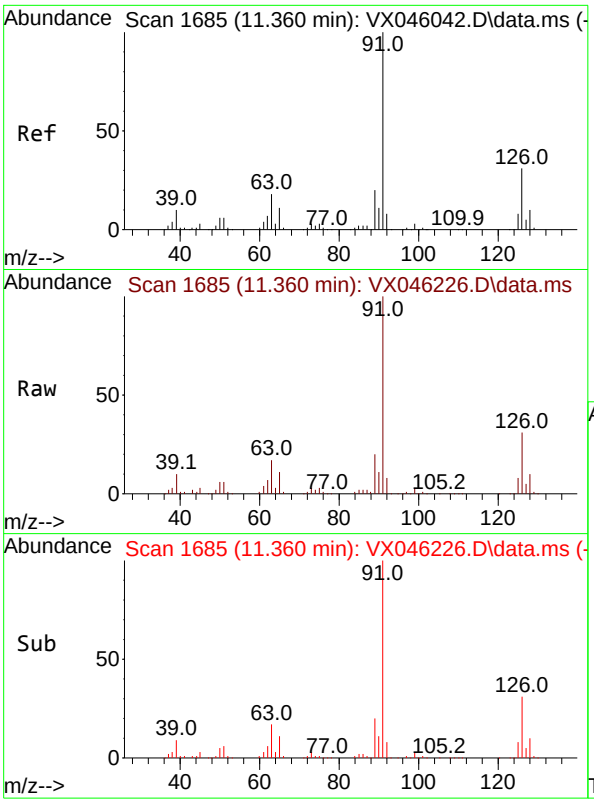


#78
n-propylbenzene
Concen: 52.153 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 91 Resp: 308726

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.4



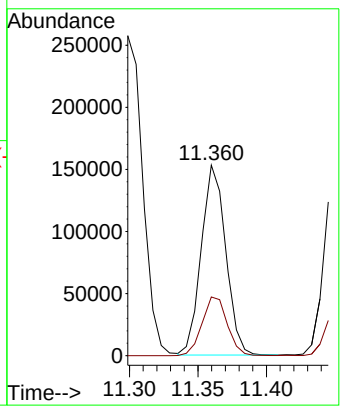


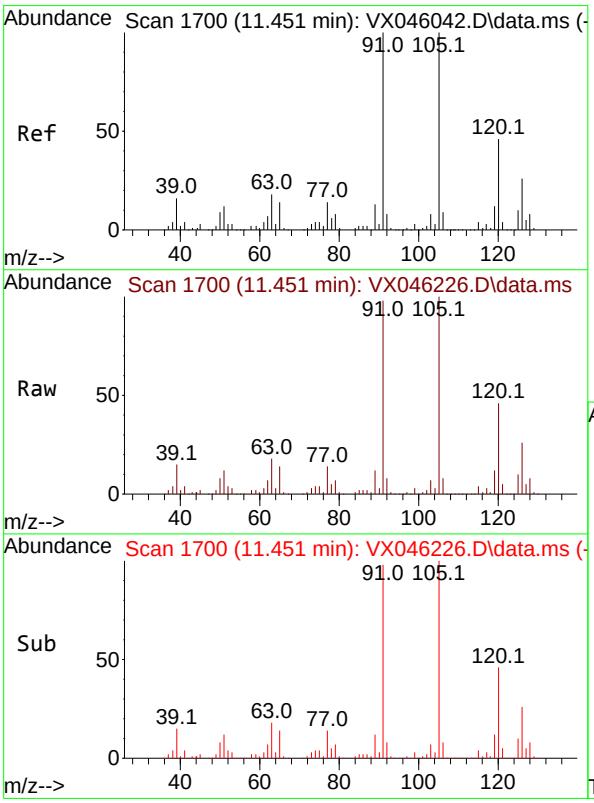
#79
2-Chlorotoluene
Concen: 49.779 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 190066

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.6	46.7

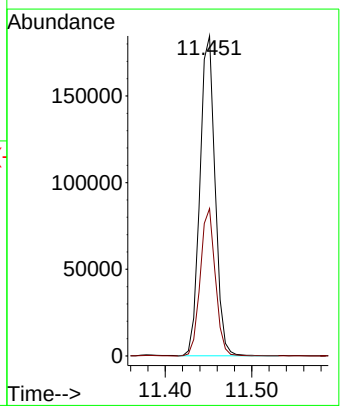


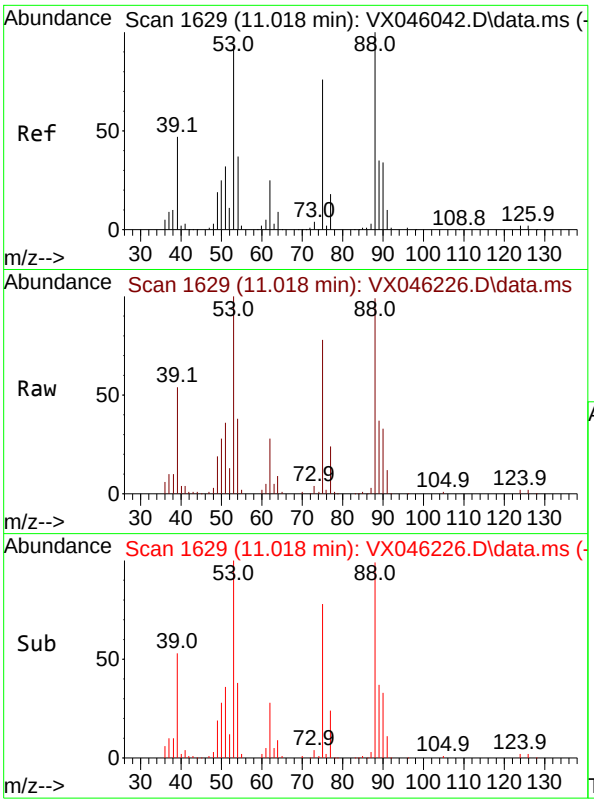


#80
1,3,5-Trimethylbenzene
Concen: 52.774 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:105 Resp: 224463

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2



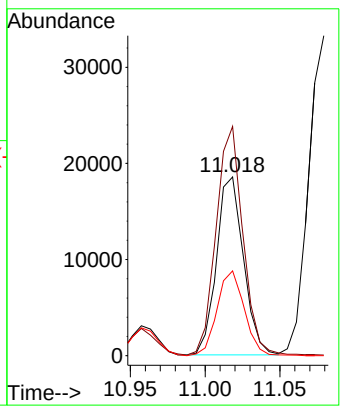


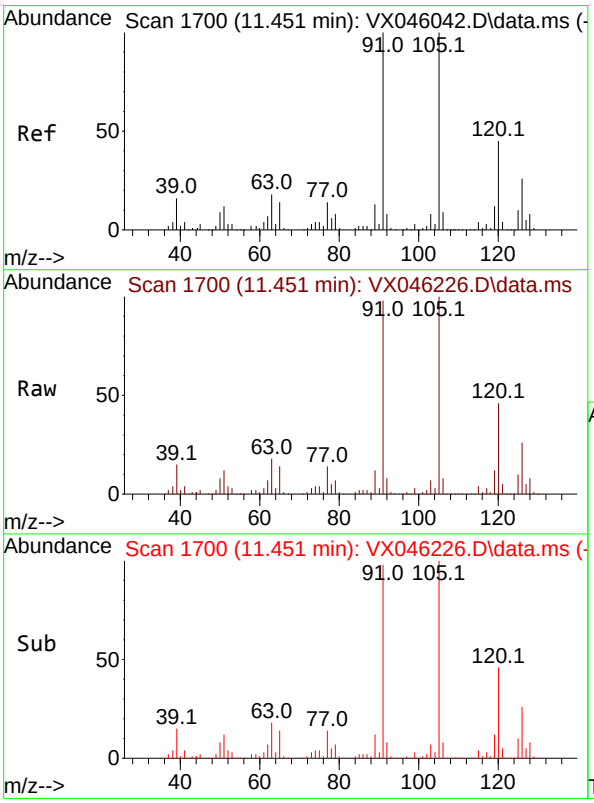
#81
trans-1,4-Dichloro-2-butene
Concen: 48.041 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 23227

Ion	Ratio	Lower	Upper
75	100		
53	127.4	100.5	150.7
89	48.1	37.0	55.6

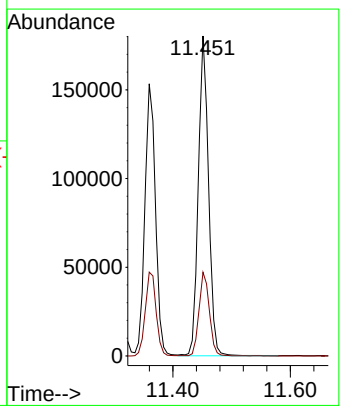


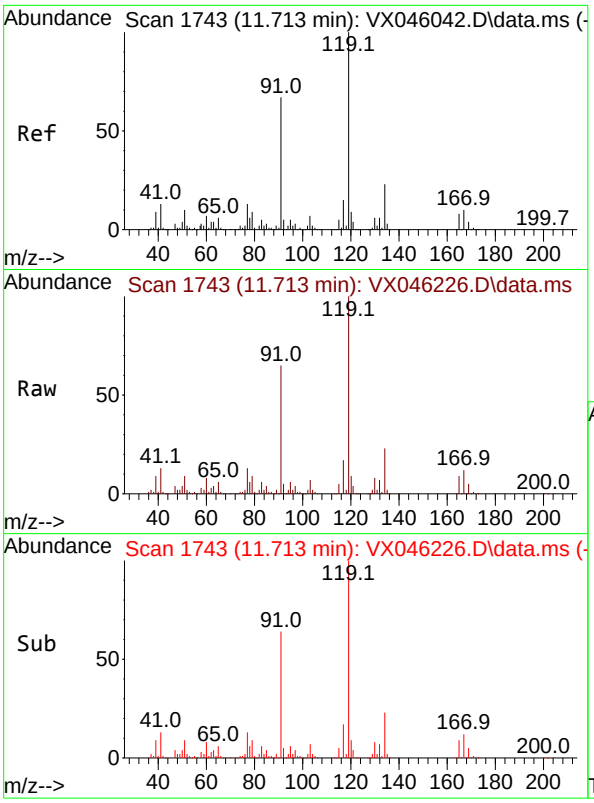


#82
4-Chlorotoluene
Concen: 51.472 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 91 Resp: 217944

Ion	Ratio	Lower	Upper
91	100		
126	26.6	13.3	39.8



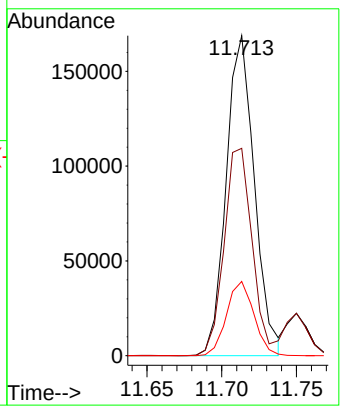


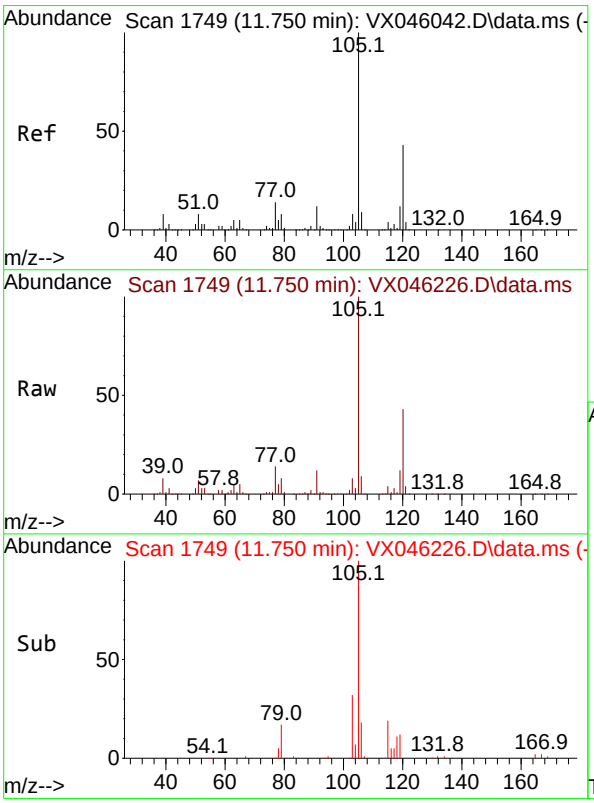
#83
tert-Butylbenzene
Concen: 51.692 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 221462

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.9	98.7
134	22.5	11.4	34.1

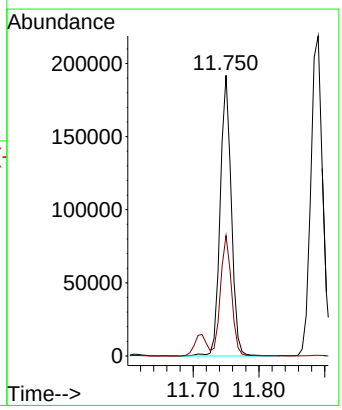


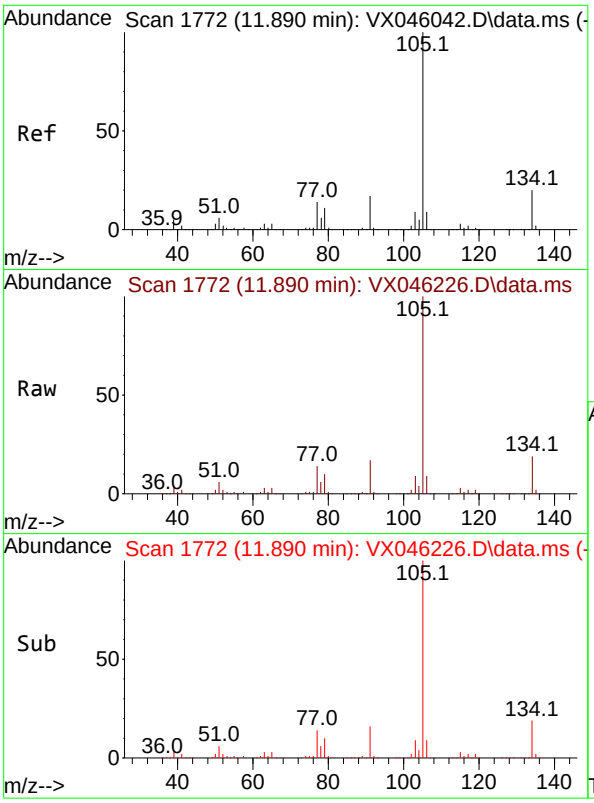


#84
1,2,4-Trimethylbenzene
Concen: 52.248 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:105 Resp: 225045

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.2	63.6



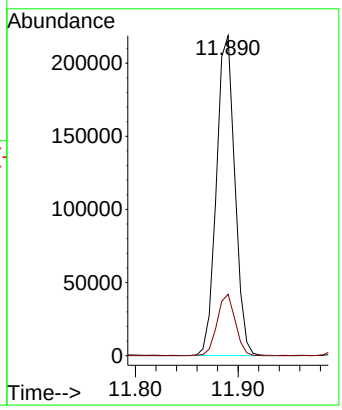


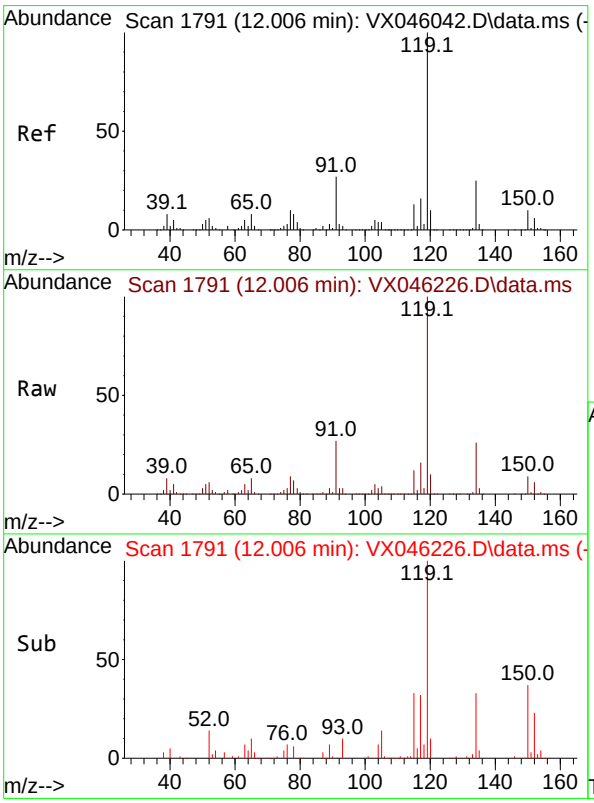
#85
sec-Butylbenzene
Concen: 51.652 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 271707

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1

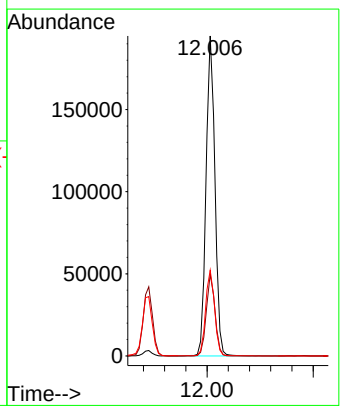


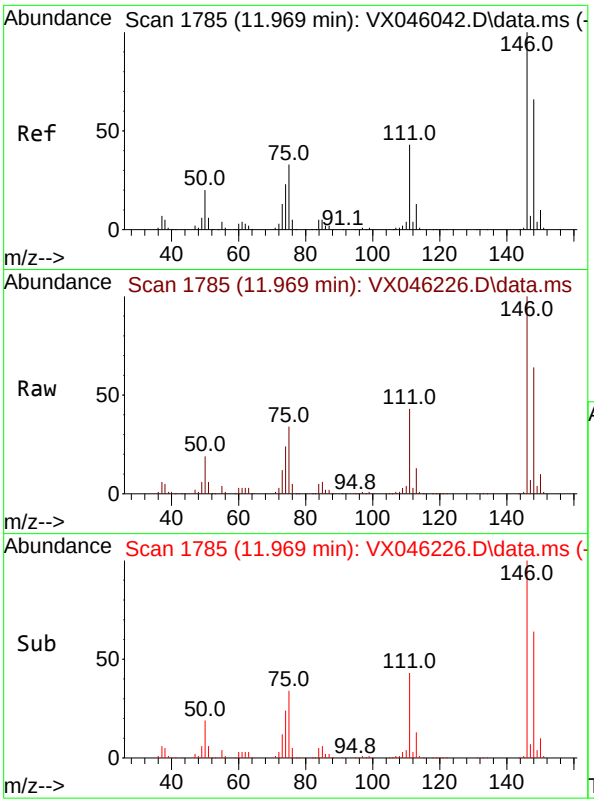


#86
p-Isopropyltoluene
Concen: 51.984 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:119 Resp: 225717

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	26.9	13.8	41.4



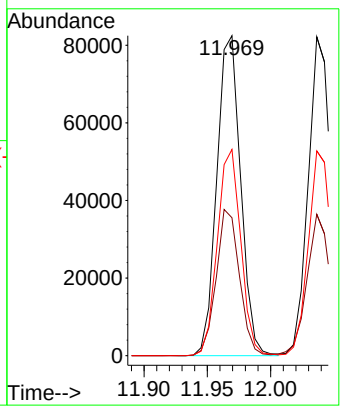


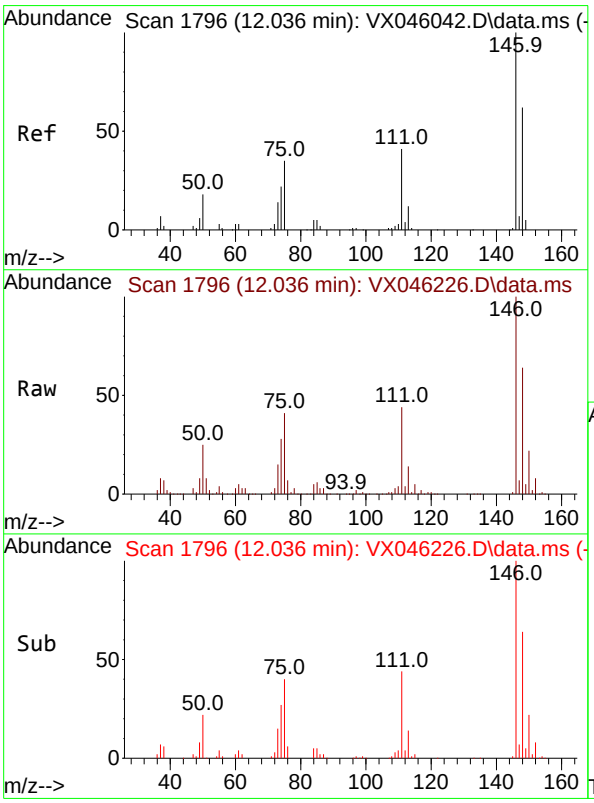
#87
1,3-Dichlorobenzene
Concen: 50.058 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 107982

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.1	66.3
148	63.4	32.1	96.5

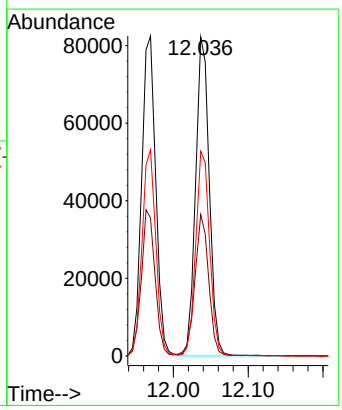


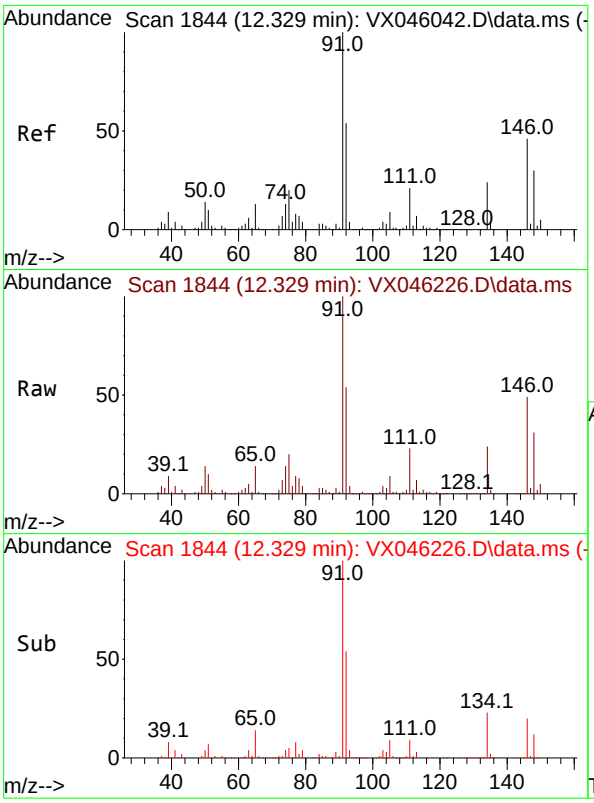


#88
1,4-Dichlorobenzene
Concen: 47.416 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:146 Resp: 104457

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.3	63.9
148	65.7	31.9	95.5



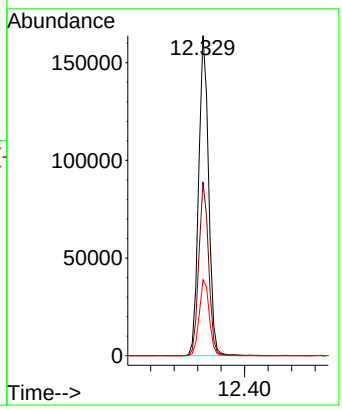


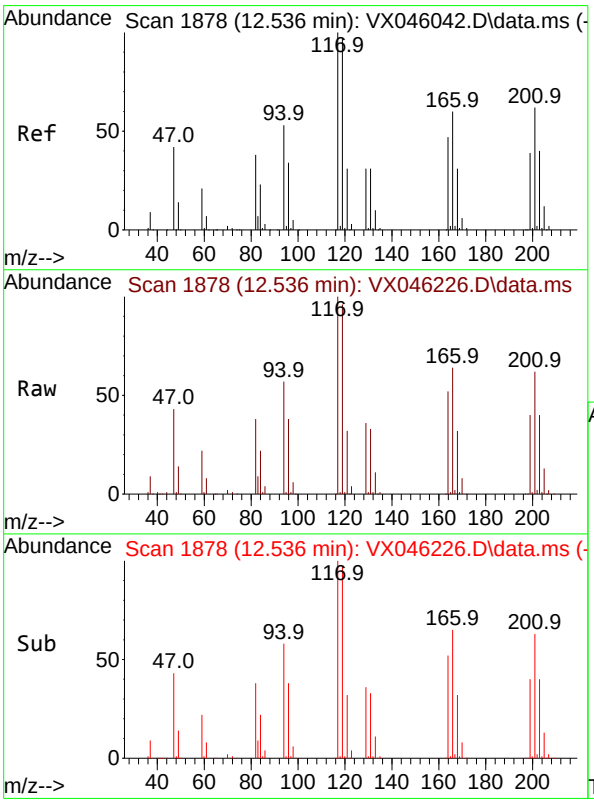
#89
n-Butylbenzene
Concen: 50.775 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 193388

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.7
134	24.0	11.8	35.3

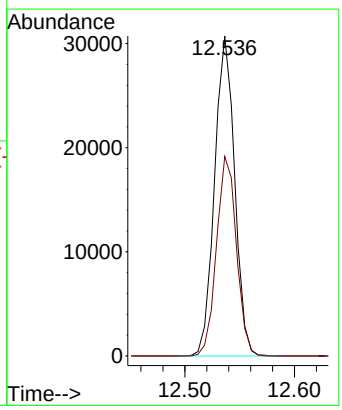


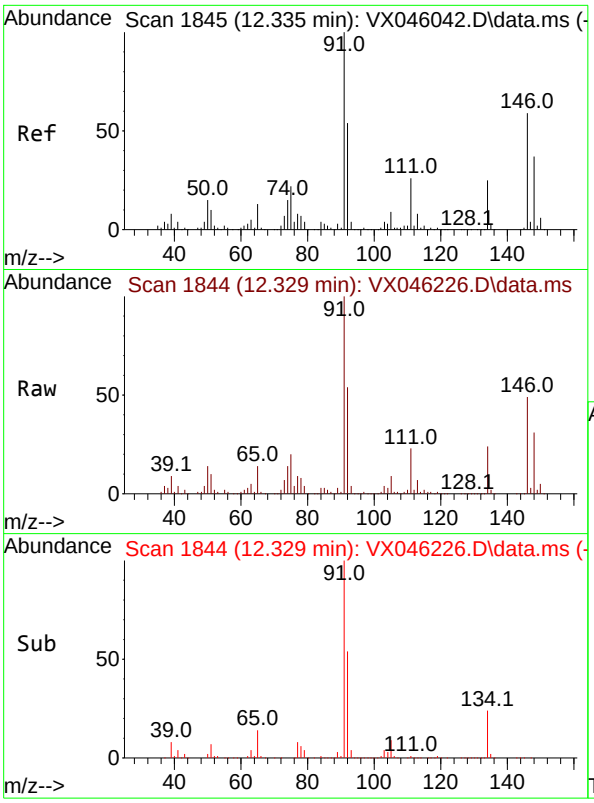


#90
Hexachloroethane
Concen: 51.070 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:117 Resp: 39067

Ion	Ratio	Lower	Upper
117	100		
201	62.0	31.6	94.7



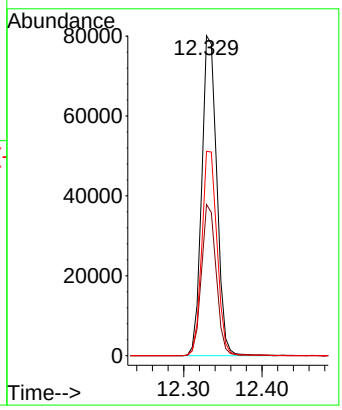


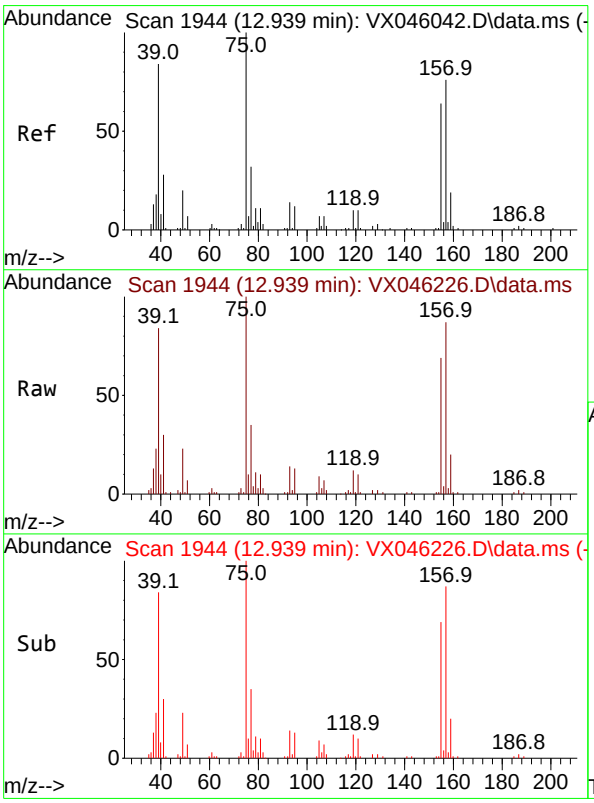
#91
1,2-Dichlorobenzene
Concen: 49.305 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 106729

Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.4	67.3
148	64.6	31.6	94.8

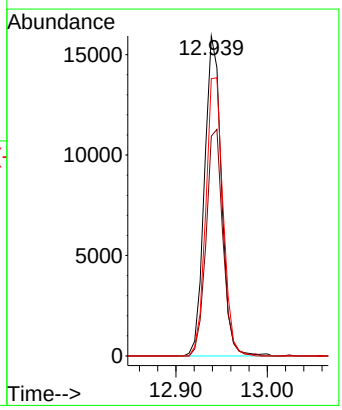


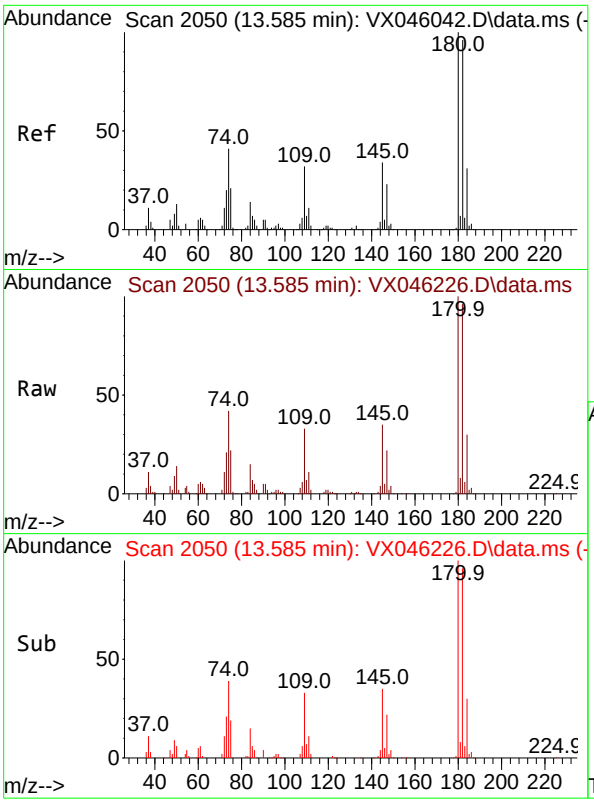


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.771 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion: 75 Resp: 20462

Ion	Ratio	Lower	Upper
75	100		
155	70.2	34.9	104.8
157	88.4	43.8	131.4



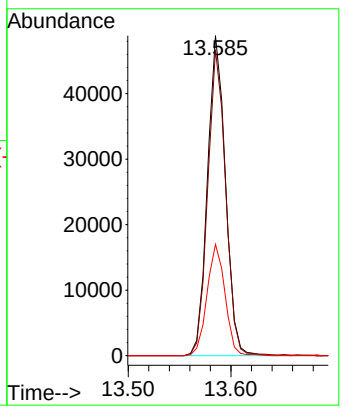


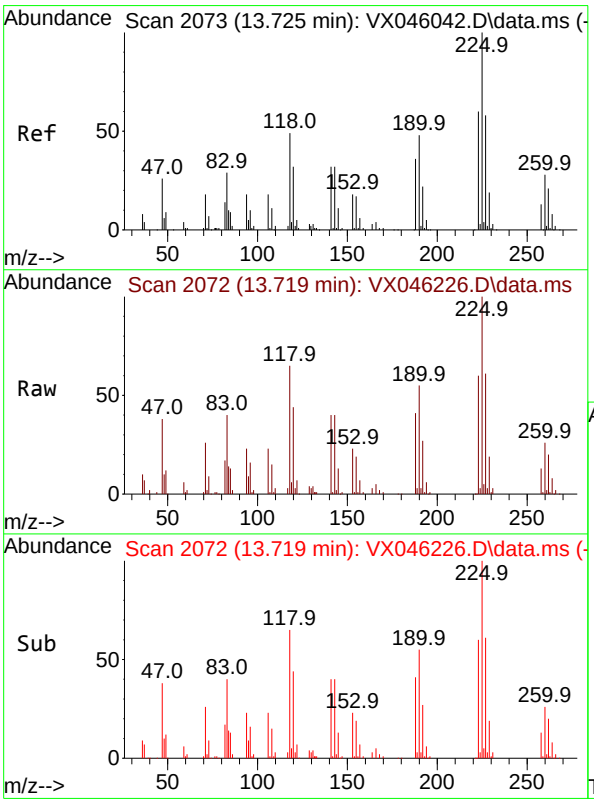
#93
1,2,4-Trichlorobenzene
Concen: 47.738 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 59353

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	34.9	17.1	51.2

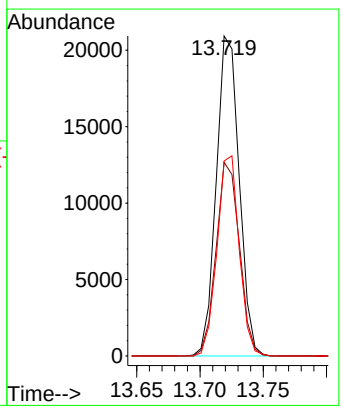


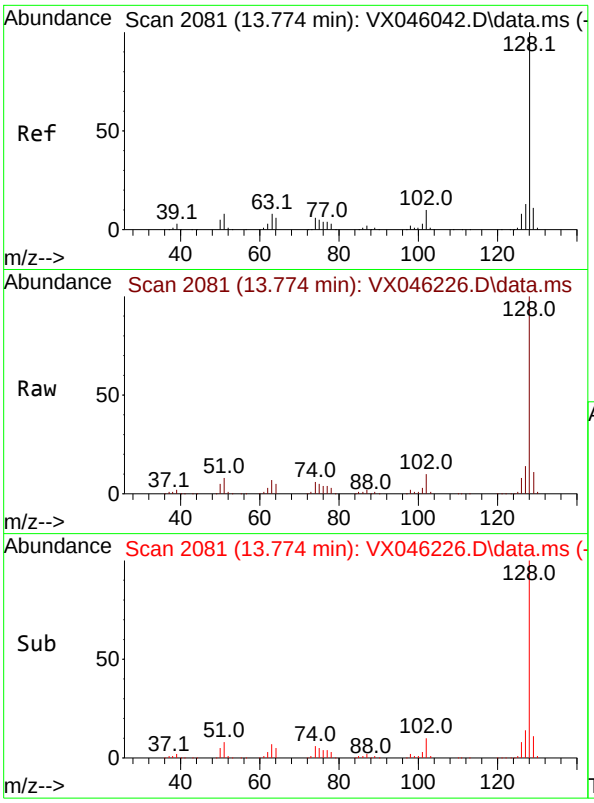


#94
Hexachlorobutadiene
Concen: 48.470 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:225 Resp: 26319

Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.8	92.4
227	60.5	30.9	92.7



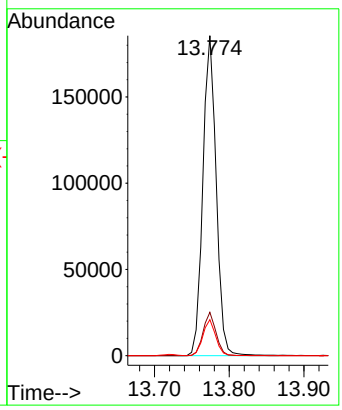


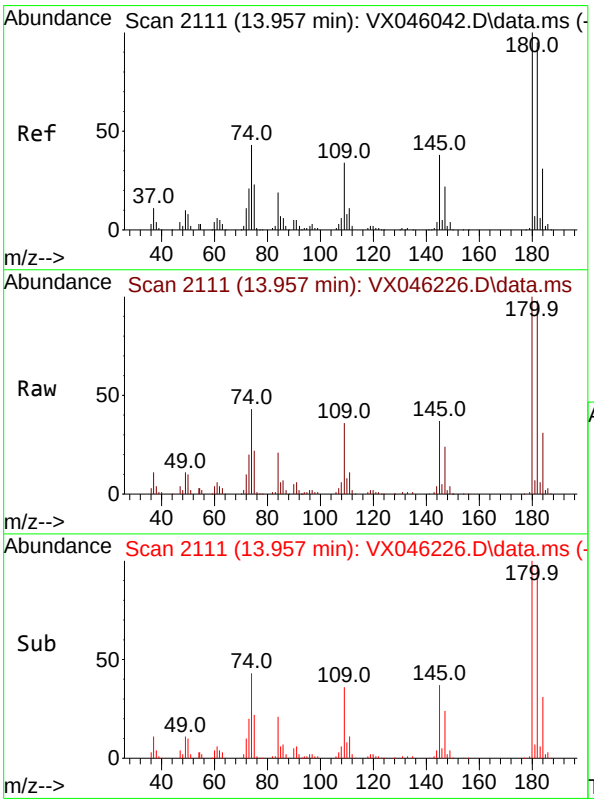
#95
Naphthalene
Concen: 50.350 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 229594

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0





#96
1,2,3-Trichlorobenzene
Concen: 49.516 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046226.D
Acq: 15 May 2025 20:01

Tgt Ion:180 Resp: 63523

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.3
145	36.0	18.1	54.3